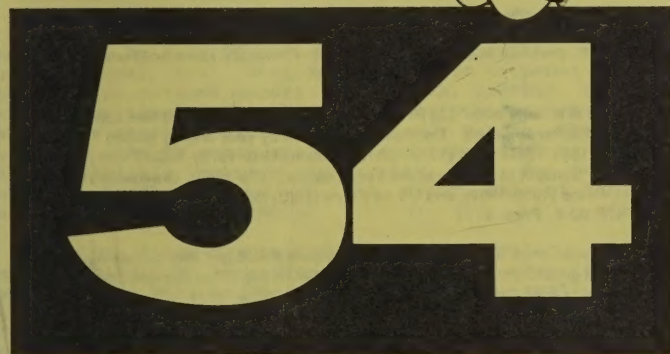


Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

SEPTEMBER 1993



WFXG-TV

AUGUSTA

—1993—
FOX
AFFILIATE
OF THE
YEAR!

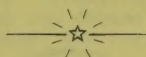
Out of 139 Fox
television stations,

WFXG FOX 54,
Augusta, Georgia,

is number one
in terms of
ratings strength.

And, has been
named 1993

Fox Affiliate
of the Year.



DOES OUR
EXCITEMENT SHOW?

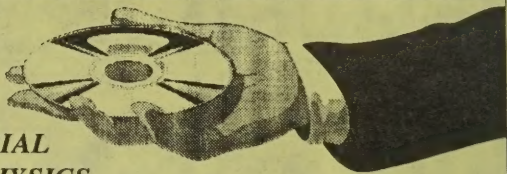
Represented Nationally By:



© 1993 Twentieth Century Fox Film Corporation. All Rights Reserved. Name: Gump, 44-45

*Digital Data on
Compact Disk
from*

**SOLAR-
TERRESTRIAL
PHYSICS**



The National Geophysical Data Center (NGDC) provides several digital data sets on compact disk (CD-ROM). Below is a comprehensive list of previously advertised CDs of data from NGDC's Solar-Terrestrial Physics Division. For your convenience, an order form is provided on the back of this flier. The prices listed here are valid through September 30, 1993.

GOES Space Environment Data: This CD-ROM contains X-ray, Magnetometer, and Energetic Particle data measured by NOAA's Geosynchronous Operational Environmental Satellites (GOES). These data are an excellent resource for studying solar activity and its effects in near-earth space. Previously announced under Data Announcement STP-92-5. Price: \$203

Neutron Monitor Data: This is a "write-once" CD-ROM written in ASCII text files containing cosmic ray data from neutron monitors operating in many parts of the world with data going back to 1953. Previously announced under Data Announcement STP-92-3. Price: \$203

Flares in Hydrogen-Alpha: This is a "write-once" CD-ROM written in standard ASCII text files containing solar flare records grouped by year from ground-based observations. Data include reports (1938-present), events (1955-present), patrol (1955-present), and indices (1955-1980). Previously announced under Data Announcement STP-92-4. Price: \$111

Regions of Solar Activity: This is a "write-once" CD-ROM written in standard ASCII text files containing records of Ca plage regions and sunspot groups. Records are grouped by year and by station. Plage observations are from Big Bear (1981-1987), Hale (1979-1981), McMath (1942-1979), AGD Table (1969-1982), and Indices (1970-1987). Sunspot observations are from Catania (1978-1987), Greenwich (1874-1982), Mt Wilson 1962-1991, Rome (1958-1989), and US Air Force (1981-1991). Previously announced under Data Announcement STP-92-4. Price: \$111

Solar Radio Bursts: This is a "write-once" CD-ROM written in standard ASCII text files containing solar emissions recorded since 1960 at ground observation stations, available on this CD at discrete and sweep frequencies. Previously advertised under Data Announcement STP-93-4. Price: \$111

MAIL ORDERS TO:

National Geophysical Data Center
Code E/GC2, Dept 920
325 Broadway
Boulder, CO 80303-3328

Telephone: 303-497-6761
TELEX: 592811 NOAA MASC BDR
FAX: 303-497-6513
INTERNET: info@mail.ngdc.noaa.gov
Voice/TDD: 303-497-6958



National Geophysical Data Center

Nashville

1993

CONVENTION REPORT

Hot Temps, Hot Trops, Hot Times in 'Music City'

[written by Tom Bryant and Doug Smith]

(As co-hosts of the Nashville Convention we found it difficult to be totally objective in preparing this summary. Please excuse us if we seem to be tooting our own horns...but it WAS a helluva good get-together!)

Shortly after 9 AM on Friday July 23 WTFDA's 1993 convention officially opened for business. As club members arrived they were presented with a name tag and a bag of goodies including bumper stickers, caps, T-shirts, key chains, coverage maps, tourist info, etc. Local broadcasters were generous with their contributions, and the retail value of each sack was between \$10 and \$15.

Three monitoring posts began to take shape about noon, and were up and running by 1:30 PM. Jim Dietrich brought antennas, rotors, baluns and pre-amps; and Doug Smith supplied tripods, masts, and setup help. Another club antenna expert, Doug Allen, pitched in to get the whole thing operational. Tom Yingling made a major contribution by letting us use his tv receiver and ICOM tuner. During the first half of the gathering the FM setup utilized a Carver tuner on loan from Dave Nieman; and Doug Smith's Technics tuner saw duty for the remainder of the weekend. Another setup at the other end of the convention room was dedicated to tape playback.

The 9th floor convention site was ideally suited to our group. Small tables in the one-time skytop bar were filled with photos of dx catches along with historic QSL and promotional material. Two larger tables housed extra giveaway items and a display of RDX Labs products. The UHF and VHF receiving sites were located side-by-side at the north end of the large room, and the FM installation was about 15 feet back toward the west side. The bar area was stocked with soft drinks and snacks. There was plenty of elbow room, and in spite of the 100 degree + heat index, the air conditioning system managed to keep the large glass-enclosed room comfortable.

By late Friday afternoon about half of the group had arrived and the 9th floor of Days Inn Central was buzzing with activity.

During the course of the convention many of our guests spent time away from the meeting site to explore area points of interest. Several went to the Friday Night Grand Ole Opry; some headed for the big regional shopping malls; and a few ferreted out antique shops. A small group made a pilgrimage to the WSM-AM transmitter; a large number enjoyed the German atmosphere and food at the Gerst House Restaurant; and one carload even made a side trip to Bowling Green, KY to visit stations and get T-shirts!

continued - next page

1993 CONVENTION REPORT - continued

Late Friday evening everyone eventually made it back to our meeting site to visit, dx, and enjoy the spectacular view of the Nashville skyline. Fortunately, there was a lot to look at and yak about; because the dxing was mediocre. Normal tropo activity produced catches in the 200-300 mile range...certainly nothing to get excited about. (Note: although some CCI was spotted on 2 at times, no Es was logged.) By 2 AM the crowd had thinned considerably; and by 4 AM everyone had given up for the night. Maybe tomorrow would be better!

When the convention room re-opened Saturday morning, activities resumed almost as if there had not been an overnight pause. Tour groups were organized and headed out for WSMV (channel 4) and WSM AM/FM. After a noon lunch break the second set of station tours got underway; and by 4PM everyone was back at the Days Inn Central in time to get ready for the banquet.

Tom and Doug had decided that a southern flavor would be a nice touch for the banquet menu, and the results were excellent. In a cozy meeting room on the first floor, 33 dxers and guests were treated to generous servings of southern-fried chicken, southern-style green beans, potatoes and gravy, and a yummy peach cobbler. The hotel banquet staff came through with flying colors (Confederate flags..maybe?!).

As the tables were cleared, Tom Bryant welcomed those attending and introduced the first guest speaker, Mr. Aaron Shelton; retired Chief Engineer of WSM, Incorporated. Aaron spent the next hour sharing memories of his nearly 50 years in the industry. His talk ran the gamut from humorous stories about Opry stars to the early days of AM; W47NV (claimed by WSM to be America's first commercial FM station); the shaky startup of WSM-tv; and a host of technical innovations along the way.

After Mr. Shelton's talk and a short break; Doug Smith spoke briefly about several upcoming industry developments including HDTV.

There was a drawing for door prizes, then a DX QUIZ based on VUD items published during the past 12 months. The quiz produced laughs, gasps, and groans; and seemed to be a popular feature. There were prizes for low and high test scores; plus some confusion as to how to award them as the hosts (Bryant, to be specific) hadn't planned on any ties.

After the quiz, the formal portion of the meeting concluded as we all paraded by NRC member Ernie Wesolowski's camcorder to say howdy! (Ed. note: Special thanks to Ernie for his assistance in helping a WTFDA member who experienced major car trouble. Ernie is truly a credit to our hobby and the human race!) A special invitation had been extended to the radio-only clubs, and several IRCA and NRC members joined us for the weekend. Ontario DXer Dave Whatmough showed up in his much-traveled "DX-Mobile"...a real treat for those who hadn't seen it before.

By 9:30 Saturday night the 9th floor convention room had filled up again and the non-stop gabfest was back in high gear. Trops were up, too! Nobody said much, but you could sense the vibes that big things were going to happen...and they did!

About 2:30 AM Sunday morning all hell broke loose...and an opening the likes of which had never been seen by Nashvillians filled our screens (and FM gear) with a non-stop parade of tropo visitors from Arkansas, Oklahoma and Texas. There were still about 10 people up at the time; including dx 'king' Bob Seybold who was reeling in new loggings at a frantic pace. Greg Coniglio and Matt Sittel were getting equally amazing results at the FM outpost. Oddly enough, the crowd increased as word of the big opening spread. People actually got out of bed to get in on the action! By 5 AM we had seen and heard stations from just about everywhere in the Lone Star State...but only a few hard-core nightowls were on hand to witness the grand prize catch...a Texas U at 790 miles.

continued - next page

1993 CONVENTION REPORT - continued

A total of 22 VHF, 71 UHF, and approximately 75 FM loggings was recorded during the three-day period. Convention Technical Coordinator Doug Smith compiled the following report assessing our facilities; and the major catches of the weekend.

The DX installation had its advantages and disadvantages. The high elevation and short feedlines made for no real problems with physical obstructions or line loss. But, the presence of 9 TVs within 10 miles (including 3 LPTVs less than a mile away) and 12 FMs meant some strategy was necessary to avoid overload. For awhile on Sunday morning, the preamp on the UHF antenna was replaced with a balun to allow DXing the lower UHF channels without excessive overload from WZTV-17.

Local LPTVs were playing games with us, with W68CG choosing to move, the week before the convention, from a site 12mi. away, to one less than a mile away. They also went off the air several times during the convention, allowing logging of WKMJ-68 Louisville, but they were on, and a pest, for most of the Texas opening. W36AK, also within a mile of the convention site, was off for most of the convention; their primary, WPGD-50, was also off quite a bit, and spent several hours Sunday morning sweeping their transmitter.

There was an excellent tropo opening to the west on Saturday night; this cost several DXers most or all of a night's sleep. The opening centered on the Dallas/Ft. Worth area, with 5 FMs and 7TVs from that market logged; a variety of other Texas FM/TV stations were logged. Best FM DX was KCWS-102.7 Merkel (777mi.), just west of Abilene; best TV DX was KVDA-60 San Antonio at 790mi. Also logged during the opening were a number of Oklahoma TVs and Arkansas FM/TVs. Someone (I believe it was Greg Coniglio) logged an Arkansas Class A at 352mi.!

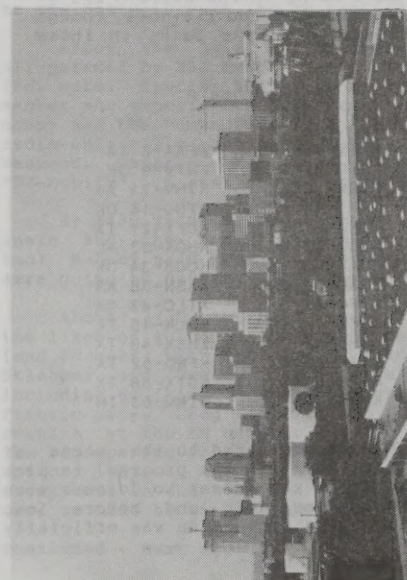
Before and after the opening, other less exotic DX was seen and heard. Because of overload from the Knob Rd. tower (WSMV-4, WZTV-17, WSM-95.5) and three LPTVs downtown, most DXing was done to the north, with most stations heard being in the western 2/3 of Tennessee and Kentucky, or in southern Indiana and Illinois, though WRGT-45 Dayton and WINM-63 Angola stretched the paths in those directions.

A quickie list of the more exotic DX seen/heard:

FM:		TV:	
WBGL-91.7 IL	KZPS-92.5 TX	KATV-7 AR	WFAA-8 TX
KZLE-93.1 AR	KOYN-93.9 TX	KETG-9 AR	KWTV-9 OK
KHLT-94.1 AR	KOLL-94.9 AR	KTEN-10 OK	KTHV-11 AR
KKTX-96.1 TX	KTUX-98.9 TX	KAFT-13 AR	KTBO-14 OK
KPLX-99.5 TX	KTCS-99.9 AR	KTXA-21 TX	KDFI-27 TX
WYMG-100.5 IL	KCJC-100.9 AR	KHOG-29 AR	WHOA-32 AL
WFPC-100.9 IN	KCWS-102.7 TX	KDAF-33 TX	KOCB-34 OK
KKIX-103.9 AR	KSNE-104.3 AR	KRSC-35 OK	KASN-38 AR
KYNG-105.3 TX	KTEI-105.5 AR	KTFO-41 OK	KTLC-43 OK
KYKX-105.7 TX	KSTV-105.7 TX	KWKT-44 TX	KXLN-45 TX
KHKS-106.1 TX	KOOI-106.5 TX	KWHB-47 OK	KHSX-49 TX
KBVA-106.5 AR	KCYT-106.7 TX	KFXK-51 TX	KPWD-52 TX
		KETK-56 TX	KDXT-58 TX
		KVDA-60 TX	WINM-63 IN

Sunday morning a lot of bleary-eyed dxers returned to the scene of the big "DX-SHOOTOUT" (that's what Doug called it in the program) to pick up a few more souvenirs, say goodbyes, or in some cases to do some more dxing. By early afternoon the antennas had come down, and before long the crowd had thinned to almost nothing. The convention was officially adjourned at 5 PM.

continued - next page



Downtown
Nashville.

Saturday
banquet.



WSM station tour.

Host Tom Bryant
in doorway; co-host
Doug Smith to his
left.

1993 CONVENTION REPORT - continued

A few of those attending have been acknowledged in this article for their individual assistance and contributions. If anyone was overlooked, please accept our apologies. In reality, all who attended were responsible for the success of the convention. A special note of recognition is in order for Diane Brooks and her staff at the Days Inn Central. The accommodations were roomy and comfortable, and the service was top-notch. A letter of commendation will be sent to Days Inn corporate headquarters to let them know how pleased we were with the facilities and service.

To the best of our knowledge, EVERYONE had a good time in Tennessee's Capitol City. Your hosts appreciated the support and good wishes they received prior to the event; as well as the many thank you and congratulatory calls and letters afterward. To those who attended, we're glad you were able to join us. You were wonderful guests in all respects (the hotel expressed that sentiment, too). To those who weren't able to come, or chose not to attend; we missed you.

Here is a roster of the 33 guests who registered and attended. Not all are WTFDA members. There were several local observers who dropped by (including a teenager from Vancouver, BC who was visiting relatives in Nashville)...plus a few WTFDA, NRC, and IRCA members who stopped in briefly but were unable to take in the entire event. Things got a bit hectic at times and an exact head count was not possible; but our best estimate of total attendance comes to 40.

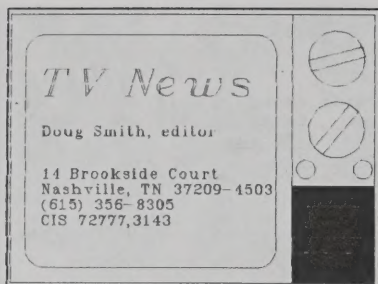
AL: J.D. Stephens, Huntsville CO: Doug Allen, Woodland Park FL: Michael Hollis, Mary Esther; Matt Sittel, Tallahassee IL: John Clemmer, East Moline; Bill Eckberg, Dixon; Jeff Kadet, Macomb; Frank Merrill, Macomb; Marv Shults, Toulon IA: Neil Griffin, Ottumwa IN: Ralph Strobel, Muncie; Robert Zent, Huntington KS: Jim Dietrich, Derby KY: Ed Phelps, Benton MA: Mark Connelly, Billerica MD: Tom Yingling, Baltimore MI: Robert Grant, Detroit MO: Keith Smith, St. Ann NE: Michael Hawk, Omaha; Ernest Wesolowski, Omaha NY: Greg Coniglio, Williamsville; Dave Nieman, Akron; Bob Seybold, Dunkirk OH: George Greene, Akron ON: Roger Gravelle, St. Thomas; Bruce Hall, Brantford; Dave Whatmough, Hamilton TN: Tom Bryant, Nashville; Chris Johnson, Memphis; Aaron Shelton, New Johnsonville; Doug Smith, Nashville TX: Joe Gragg, Palestine; Noelia Herbolt, Carrizo Springs

COMING SOON...

TO YOUR VERY OWN TV SCREEN...

HIGHLIGHTS OF NASHVILLE '93

Tapes supplied by several amateur videographers will be compiled into a comprehensive summary of the highlights of the 1993 convention. Co-host Tom Bryant will edit and narrate the presentation which promises to be the best WTFDA convention tape ever. Due to the large amount of footage a late fall completion date is projected. It'll be an ideal DXer Christmas gift at a sensible price. Check your VUD for availability date, ordering info, and prices. A MUST for those who were a part of it all!



Abbreviations used in this column:

ERP= Effective Radiated Power, in kilowatts

HAAT= Height Above Average Terrain, in meters

AAT= Above Average Terrain

AG= Above Ground

ASL= Above Sea Level

nc= no change

TL= Transmitter (and tower) Location

CP= Construction Permit

MP= Modification Permit (modification of CP)

Pr= Province (of Canada)

*= Non-commercial

CRTC= Canadian Radio-TV Commission

DBS= Direct Broadcast Satellite

CHANGES GRANTED TO EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
AK	5	100	nc	KYES	Anchorage
(was 5.89kW)					
AZ	21	1282	nc	KPAZ-TV	Phoenix
(was 646kW)					

OTHER STUFF

Obviously, the FCC is on vacation... Actually, so is the CRTC...

The deficit reduction bill has hit broadcasters, and other FCC licensees. FCC user fees will be charged; in TV, the annual fees will range between \$4,000 for 100+-market UHF's, to \$18,000 for top-10-market VHF's. Cable systems will pay \$0.37 per subscriber. Non-commercial stations are exempt. (hams note: I've heard nothing about these fees extending to amateur radio)

Regarding last month's Canadian items from Dave Sinclair, the CRTC action permitting religious broadcasting specifically says that

rebroadcasters of U.S. channels (TBN) will not be licensed.

Also in Canada, the CRTC is asking for applications for a new province-wide TV service in Alberta. Cities involved are Edmonton, Red Deer, Calgary, and Lethbridge. Channels aren't given. Two firms, including CanWest (owners of Global in Ontario, of CKVU-10 Vancouver, and CFSK-4 and CFRE-11 in Saskatchewan), have announced plans to apply.

A number of bills have been proposed to limit violent programming on TV. Maybe the most interesting would require TVs to contain a "V-chip", which would allow parents to block viewing of programs rated for violence.

Terry Shockley, who's challenging the license renewals of Wisconsin stations WKOW-27, WAOW-9, WXOW-19, and WQOW-18, claims that bankrupt owner Sharad Tak no longer actually controls the stations. If the FCC agrees in a hearing later this month, they could deny "renewal expectancy", a preference that usually guarantees license renewal.

If the "expectancy" is denied, the chances of Shockley being granted the licenses improves considerably. Tak's creditors, mostly banks & other financial institutions, have no record of successful operation of broadcast stations, while Shockley does, having operated the same four stations until Tak purchased them in 1985.

Tak and his creditors may, however, have another weapon. In late July, the owners of bankrupt KTVD-20 Denver filed in Federal Court to block a competing application for KTVD's license. Their argument is that any action that diminishes the value of a company in bankruptcy is a violation of bankruptcy law.

The Commission is considering a partial return of the "anti-trafficking" rule. Before 1982, if you received a broadcast license, you couldn't sell it for 3 years. The proposed change would resurrect this rule, but only for licenses granted by a comparative hearing. In situations where there's only one applicant, there would be no minimum period.

After a second crash, and five months for repairs, TV Marti-13 is back on the air. Broadcasts resumed on August 4. Actually, TV Marti broadcasts continued via satellite while the channel 13 balloon was

down, but since Cuban law prohibits the private ownership of satellite dishes, chances are only government officials saw the broadcasts.

In a move guaranteed to confuse DXers... KYW-3 Philadelphia has decided to preempt NBC on Fridays between 8 and 9PM. They'll air a 60-Minutes-style news magazine program.

However, West Coast DXers will be "un-confused" by the decision by KRON-4 San Francisco to end its experiment with 7-10PM prime-time. KRON will return prime-time programs to 8-11PM. KCRA-3 Sacramento is expected to do the same.

CABLE ACT

Several cable systems have taken the must-carry rules to the Supreme Court. Their petition claims that the rules are an attempt by Congress to control the editorial choices of cable operators. A hearing isn't expected until next spring—unless the Court refuses to review the case.

Several broadcasters report they've reached retransmission-consent agreements that do involve cash payments. The broadcasters won't reveal which cable systems are involved, but so far they say only small cable systems are involved.

In Wellford, SC, the city is delaying renewal of TeleCable's franchise. Wellford Mayor Hubert Odum wants the system to guarantee they'll carry the local Greenville/Spartanburg/Asheville stations. In nearby Greenville, it's reported that the franchise agreement requires carriage of the local stations; if TeleCable doesn't reach retransmission-consent agreement with all the over-the-air stations, it could be in violation. That agreement doesn't expire until 2007.

A special appropriation of \$11.5million has been made to the FCC. The money will pay for administration of the Cable Act.

The Springfield, Mo. cable system has moved KOLR-10 from cable channel 9 to 32. TeleCable VP Gordon Herring says they're simply getting customers used to KOLR's new dial position, but KOLR's GM believes it's because the station has hired a consultant to handle their retransmission-consent negotiations. The move hurts KOLR not only because of the disruption in viewer habits, but because non-cable-ready TVs will no longer be able to receive the

station on cable without a converter box. (also, at least presumably, the other Springfield over-the-air stations are on low dial positions)

It's rumored that NBC may offer cable systems consent to carry their owned TV stations in return for carrying one or more of three new cable networks they're starting. Two of the networks would be new, one news/talk and the other sports; the third would be their existing Spanish-language news channel, currently available in Latin America. Additionally, NBC has reportedly offered their affiliates a financial interest in the news/talk channel in return for allowing NBC to handle their retransmission-consent negotiations.

A NAB survey released in mid-July shows that roughly 93% of all stations affiliated with one of the "big-3" networks have opted to negotiate for retransmission consent on at least one cable system. For Fox affiliates, the figure is 98%; for non-Fox independents, it's roughly 20%.

The Commission has established a "Cable Information Telephone Line". This service carries information for subscribers, local governments, and cable systems, on the Cable Act. The numbers are:

202-632-0004 (English)
202-632-0100 (Spanish)
202-632-6999 (TDD)

See also Tom Bryant's item below for info on retransmission-consent in the Nashville market.

LPTV WATCH

Call St City; programming
W12CA PA Elliottsburg; WPCB-40
K16BY TX Crockett; local
W17AB FL Tallahassee; TBN
K17BP TX Palestine; TBN
K17BY TX San Antonio; Galavision
W19AW LA Baton Rouge; "WBTR"
K20BW TX San Antonio; religious
K21DK TX Giddings; KXAN-36
K21DM LA Lafayette; The Box
K22BH TX Corpus Christi; Galavision
K22CQ LA Monroe; The Box
K22DP TX Bryan; The Box
W23AQ FL Lake City; TBN
K28AK TX Bryan; KWKT-44
K29AD TX Corsicana; TBN
W29AB FL Ocala; TBN
W29AH PA Pittsburgh; The Box
W29BH MS Biloxi; TBN
K30CE TX Austin; Univision
W31AG MS Clarksdale; TBN

LPTV WATCH (cont'd.)

Call St City; programming
W31AQ AL Mobile; HSS
W31AT FL Gainesville; The Box
W31AU FL Orlando; HSC
K31AI TX Huntsville; TBN
K33CK TX San Antonio; TBN
K33DB TX Houston; KTFH-49
K35CS TX Texarkana; "WBSC" relig.
W36AC MS McComb; TBN
W36AM TN Memphis; The Box
W39AT LA Baton Rouge; "WBTR"
W39AY AL Montgomery; The Box
K39BJ LA Morgan City; local
K40CT TX San Marcos; KXAN-36
W41AE NY Utica; TBN
W41BW AL Dothan; TBN
W45AA MS Columbia; Miss. ETV
K46CR LA Baton Rouge; The Box
W46AV MS Pascagoula; TBN
K47DF TX Corpus Christi; local
K47DW LA Alexandria; WNTZ-48
K47FH TX College Stn.; TBN
W47BP MS Hattiesburg; Miss. ETV
W49AI FL Crystal River; WOFL-35
K49CG AR Little Rock; The Box
K50AO TX Corpus Christi; The Box
W50BF PA Sharon; WPCB-40
K51CK TX Abilene; TBN
W51AO PA Brookville; WPCB-40
K52CQ LA Baton Rouge; various
K53CZ TX Victoria; Telemundo
W53AM NY Utica; The Box
W53HI GA Valdosta; WTLH-49
K54DT TX Abilene; KIDY-6
K55EX LA New Orleans; Tourist Ch.
K55FW TX Houston; ValueVision
K55FX TX Corpus Christi; relig.
W63AJ PA Huntingdon; WWCP-8
W69CS NY Buffalo; The Box

This month, from Dave Nieman and Jeff Kruszka's list.

FORUM

Tom Bryant, Nashville TN:

Again on the KOUS-4 IDs seen on channel 3, Tom passed along a letter from an employee of KTVQ-2. He writes that commercial breaks on KYUS-3 are run from Billings. He also confirms that the KOUS tower is still in place 18mi. east of town; it's used by FM station KDWG.

From the Nashville Tennessean, an item about my employer... WSMV has decided to request cash for retransmission consent. The proposal would ask for \$0.50 per cable subscriber right now; when cable rate regulations are relaxed in late 1994, the rate would bump up to \$0.75, increasing to \$0.90 by 1995. Reportedly, no other Nashville station has requested cash, but some have said that if other stations get cash, they also want it.

WSMV (and all other TV stations) have until Oct. 6 to reach retransmission agreements; since cable systems must notify subscribers of stations being dropped 30 days in advance, the real deadline is Sept. 6. Viacom, and other Middle Tennessee cable operators, continue to insist that they won't pay cash for consent, but Viacom GM Stan Smith told the Tennessean "I remain confident that all the broadcasters will be on Oct. 6, but we've got a lot of work to do this month."

Among the other Nashville stations:

WKRN-2 has requested cash in return for a second, cable-only, channel. They also want cable systems to agree to buy advertising on channel 2, and provide WKRN with advertising time on the cable systems.

WTVF-5 has reached a no-cash initial agreement with Viacom. Details weren't provided but don't include another cable channel.

WZTV-17 and Viacom have signed on to Fox's nationwide deal, whereby WZTV will be carried without charge, in return for Viacom carrying the new Fox cable network; part of the fees paid by Viacom to Fox will be turned over to WZTV.

WDCN-8, WXMT-30, WHTN-39, and WPGD-50 have all chosen must-carry.

Bill Nienajadly, Clifton NJ:

(Hey Tom, how many people got #15 right on the DX Quiz?) Bill sends a clipping from the August 2 Daily News, with two items in one. First, an editorial questioning the need for government regulations on violent TV programming-- and even questioning whether it is too violent.

Second, an item regarding a Riverhead (Long Island) resident concerned about the possible disappearance of NYC stations from his local cable system if retransmission-consent negotiations fail. The reporter writes "He simply can't receive the signals where he lives. If he can't get them on cable, he can't get them at all."

According to my calculations, Riverhead is only 70 miles from NYC, 35 miles from WTNH-8 (New Haven, CT), and 60 miles from the other Hartford, CT stations-- certainly no problem for outdoor antennas! The resident interviewed, Tom Mosher, has a more

American solution-- if the cable system drops the NYC stations, he plans on suing...

Another item, from the July 19 Post, reports that NAB-produced announcements arguing the broadcasters' side of retransmission consent have begun airing on WNBC-4. The spots say "Local broadcast television is what makes cable television worth watching".

And finally, "SCUD Stud" Arthur Kent, fired by NBC shortly after the Gulf War, has found a new job. He's returning to his native Canada to host a weekly CBC documentary on "ethical & moral dilemmas in modern life".

(Bill, congrats on the Extra! You going to take your chances on a new callsign?)

William Draeb, Kewaunee WI:

Bill has several news items from Northern Wisconsin.

First, regarding the network swap in Green Bay, the switch occurred on April 15; on this day, WFRV-5 switched from ABC to CBS, and WBAY-2 from CBS to ABC. Presumably, WJMN-3 and WLUC-6 made the same swap at the same time.

Second, regarding WJMN-3, Bill says they aren't a 100% satellite of WFRV-5 anymore. They run their own commercials, and occasionally their own newscasts.

Also on the subject of WFRV-5, Bill writes that that station is now carrying the Milwaukee Brewers network, preempting the CBS baseball games. He asks how strict the networks are about this kind of thing, and whether they have some kind of double-standard for affiliates & owned stations?

Honestly, I don't think so. Few CBS affiliates have aired the network's late-night programs (though that may change with the Letterman show), and when I was with CBS affiliate WISC-3, we would routinely preempt CBS programs for U.W. hockey broadcasts, and occasionally for other programs. WSMV occasionally also preempts NBC for local programs or Billy Graham specials.

WIIM-8 Iron Mountain and WHTA-5 Calumet, Mich. are not on yet. (a list I have from Eric Voytko/Bill Faber lists a call change on the former station, to WDHS)

There does appear to be a new LPTV on 31 at Wausau. As Bill reported to the August Western TV-DX column, Three Angels and TBN programs were seen on June 22 on a Wausau heading. My database shows no 31 LPTV in Wausau; one possibility is W31BA Minocqua though Minocqua is quite a bit north of Wausau & Bill's 7' dish would probably rule that out. Bill hasn't seen the signal since 6/22.

Regarding my speculation that WXGZ-32's old antenna was on WGBA-26's tower, Bill says that they do have their own tower, about 600' west of WGBA's. The tower is still up, but the antenna was removed about 3 months after they went dark. Bill sees no evidence of work to install a channel 32 antenna on the channel 26 tower.

(OK on WAUN-92.7... could be the tropes, but they were booming into my Madison motel room in June!)

Greg Coniglio, Williamsville NY:

Greg took a road trip to Memphis during the convention; while there, he picked up a copy of the Commercial Appeal, which carried an item on the sale of WMC-5 (and their AM and FM stations).

The article goes into the valuation of a TV station, something that I suspect most people don't understand. (I should say, I know most people don't understand.. Probably the most important question asked of a jury I just served on was to put a value on a travel agency. Two different expert witnesses placed values that differed by 200% & had totally different bases...)

TV stations are valued in multiples of annual cash flow, with a common multiple these days being 7 or 8. So, if WMC generates \$8.5million in cash flow annually, it might sell for 7 times that, or \$59.5million.

New WMC owner Bert Ellis has had several previous successes, including building Act III Broadcasting, a firm which owned several successful Fox affiliates when Ellis sold it about 2 years ago.

Eric Voytko, McLean VA:

Eric sends a postcard noting that WTMW-14 went on regular schedule on August 3, sometime between 10am and 1pm. They run Home Shopping Spree 24 hours, with ID about 3mins. before the hour. The signal is

strong at his location but (luckily!) doesn't splatter over onto any other channels.

Pete Taylor, San Francisco CA:

I stand corrected (again!)... Pete points out that the item about KM00-97.5/KOKI-23 Tulsa, reported in August VUD, is not, in fact, new: it's what's called a "P.I.", or Per Inquiry, commercial-- I'm told that the ubiquitous "Hooked On Phonics" ads are also P.I.s. (is this new to TV though? Or have there been P.I.s on TV for years too?)

Ken Romstadt, Ottawa Lake MI:

Ken sends an item from the Toledo Blade reporting that Channel 21 in Fremont, Ohio (an LPTV, but my database doesn't list one) has purchased a tower from Sandusky County. The 200' tower was built by a now-defunct emergency medical service, and was sold by the county for \$8,200 and the rights to have "...a 911 signal booster will be placed on top of the tower to clarify signals to police and fire agencies in the county.". Presumably, that means an antenna for police & fire two-way repeaters.

Ken also writes that the Blade mentioned WXAE-40, but no signon date was given.

And now for Forum Canada...

Dave Sinclair, Vancouver BC:

Dave sent along two Vancouver-area items. The first, from the July 25 Burnaby News, notes an epidemic of vandalism which seems to have struck Rogers Cable in the wake of a lockout of union technical workers.

While the IBEW union claims no connection, cable lines in telephone manholes have been cut, leaving adjacent telephone cables untouched, and cable line amplifiers have been removed.

The union says it was locked out after refusing to accept a 25% wage cut; it had offered a no-increase contract.

And, from the July 22 Vancouver Sun, a note that applications for dozens of new specialty cable channels have poured into the CRTC in the wake of changes in cable regulation.

Bill Hepburn, Brampton ON:

Bill has more info on the TVOntario rebroadcasters reported in the July VUD:

TVO English:

CICO-TV-95	ch. 49 Tobermory
CICO-TV-96	ch. 48 Hawkesbury
CICE-TV-11	ch. 42 Parry Sound
CICE-TV-16	ch. 29 Pembroke

La Chaine Francaise:

CHLF-TV-1	ch. 25 Sudbury
CHLF-TV-2	ch. 39 Hawkesbury
CHLF-TV-13	ch. 17 Pembroke

NASHVILLE '93

Thanks to everyone who made this convention successful! I don't think anyone regretted coming, and I sure know I had a good time putting faces to all the names I've read in the VUD. (and several new ones!) The early Sunday Texas opening was a blast too!

Special thanks go to Jim Dietrich for providing antennas, baluns, feedline, preamps, and rotors (too bad Jim didn't bring a bigger car-- he could have sold his FM antenna 3-4 times!); and to Tom Yingling for the use of his TV and Icom R-7000 on the UHF DX station. (I WANT a R-7000!)

Also to Tom Bryant (who really did most of the work!). And to the broadcasters of metro Nashville (who came through in style for the "goodies bags"). And finally, to the Days Inn Central, which provided an excellent room, a great banquet, and bent over backwards to help us in other ways. Should we ever go crazy and agree to host a convention again, it'll definitely be in the same place!

Seriously, while hosting a convention was a fair amount of work, it's also a lot of fun. I strongly encourage anyone considering bidding on the 1994 convention to do so. I would suggest that it's a pretty big job for one person; you should try to find an assistant in your area. Go for it!

DX ETC.

A little scatter. Local W271AB was off for a couple of days in mid-August but only semi-local WDRM-102.1 was logged. But after the convention & the July openings, it was time for a breather!

73 Doug

SATELLITE NEWS



George W. Jensen
4604 Anntana Avenue
Baltimore, MD 21206-4220

Another bunch of changes and something different from Brian Webb in California.

Brian had monitored some items from military satellites. On 262.200 some traffic noted from Geosynchronous military satellite at about 95 W. He was using an FM narrow mode with a Radio Shack PRO-2006 receiver off a homebrew 12 element UHF Satellite Quad. Any items of this nature are always appreciated...please send them in.

The trees have been removed by my neighbor and some surprises were there. I now receive all European C-Band birds up to 6 West.

Telecom 2A at 8W

2V - France occasional in PAL and SECAM

4V - France occasional in PAL and SECAM with some program from various networks - M6 - Metropole TV noted.

5V - RFO the service to colonies and overseas states noted in SECAM with many program feeds including Loveboat dubbed in French

All of the above with a good grade B signal.

Stationsar 11 - 11 W (former Gorizont)

6 - EBU (European Broadcasting Union) Moscow permanent feed in PAL and SECAM - good Grade B signal

Stationsar 4 - 14 West

6 - Cubavision in evenings with fair to poor (grade C) signal in NTSC. Seems to be weaker than 11 with greater bounce.

Intelsat at 18 and 21W have poor video at 23/24 XPDR.

The 21 West is almost useless at this time. Intelsat

K at 21 West is a Ku powerhouse, but all signals

are encrypted. Intelsat at 24 is good, but video is poor again at 23/24 XPDR.

Changes in US sats. =

Galaxy 7 -

2 - CBS encrypted

19 CBS

14 - Family Network

ABC mostly now on T302 at 85 W - XPDR's 4, 8, 10, 11 & 19

ABC West on G3 - 19

CBS has migrated mostly to the new G4 on XPDR'S 16 thru 21.

Delete the SportsChannel on Satcom 2 XPDR 17

Gala Americana testing 12 hour program on TDRS 4 41 West transponder 11 in PAL.

Be aware that Galaxy 6 is now Galaxy 4

Many changes on Morelos birds.

Delete all video except XPDR 14. others are currently used for feeds.

On Morelos 2 - Add-

XPDR 10 - XHIMT - with ID's as Canal 22

16 - Senal de Prueba from 21 in the clear so far

18 - Educational feeds

24 - XHDF - Channel 13 -

That's all for now. See you in 30.

George

EASTERN TV·DX

Stephen West
26 Dougherty Blvd. G-8
Glen Mills, PA 19342

(215) 358-2648

September 1993

Deadline: September 5

Skip season is finished without any unusual openings of double hop, high maximum usable frequencies or any extremely short or long single hop distances reported. The best day for skip was 7-11 but many reporters had skip on various days when others in the club had no skip to report. Tropo is on the upswing with July 4, 6, 7, 9, 11 and 12 reported by several members.

The WTFDA convention featured 600 mile tropo to Texas. Did someone order DX from room service or did they make a request to an authority much higher up?

As usual some of the best DX was sited from the Sunshine State.

Many thanks to reporters for sending reports in the proper format and especially the reports that are published intact as submitted. The reports that have required typing by this editor have been reasonable in size. I like to fill empty areas with logos so send them along with reports. You may want to fill areas with comments on programs or anything unusual about a station. Some reporters using word processors and computers have trouble making double columns but as long as the columns (date, mode, time, call letters) are in order and there isn't a lot of empty space that is fine.

Be sure to check the weather forecasts for approaching hurricanes, which can produce the best tropo conditions. More important, don't forget to report your DX.

The more your report conforms to the format the less chance for edits. You are your own editor.

Thanks for the extras sent with reports, sorry I can't answer every correspondence. My mother passed away in July, I've been busy.

Doug Smith W9WI 14 Brookside Ct., Nashville, TN 37209-4503

June 1993

10 Tr	2100	WTVQ-36	KY	(182)	(W36AK off)
		WKYU-24	KY	(66)	(over local W24AE)
		W43AG	KY	(62)	(Hopkinsville LPTV)
		W62BH	KY	(61)	(Hopkinsville TBN)
		W55AJ	KY	(117)	(Hawesville KET-PBS)
		WHIQ-25	AL	(95)	
		WEHT-25	(KY)	(121)	
		WDRB-41	(IN)	(157)	
		WLKY-32	(IN)	(158)	
		unID-20			(beaming WNW - WICS-IL?)
27 Tr	0800	WBNA-21	KY	(139)	(VERY rare-- 2nd time seen)
		WCET-48	OH	(234)	(Sesame St. => Barney w/o ID, except they supered one over the beginning of Barney.)
		WKEF-22	OH	(275)	(over WCTE-22)
		WDRB-41	(IN)	(157)	
		WLKY-32	(IN)	(158)	
		WKRC-12	OH	(234)	

July 1993

9 Tr	2318	WCHS-8	WV	(304)	(Rush Limbaugh, local ads)
		WPBY-33	WV	(293)	
11 Tr	0022	WEHT-25	(KY)	(121)	(snow-free)
	0117	unID-21			(weak with HSS // W24AE. Suspect WBNA-KY.)
		unID-64			(weak)
25 Tr	(Convention DX, between midnight and about 10AM)				
		KETG-9	AR	(378)	
		KOLR-10	MO	(339)	
		WHAS-11	(IN)	(155)	
		KHOG-29	AR	(395)	(loop only!)
		KSPR-33	MO	(339)	(snow-free with loop!)
		KDXX-58	TX	(610)	

Jim Renfrew, 61 Wilcox Street, Rochester, NY 14607-3832

Equipment: JVC auto radio, old GE TV
with rabbit ears.

717-461-2717 (h)
717-494-1847 (Tu & Th)

June 1993

3 Es 1312 KCEN-6 TX (1322) (t)
15 Es 1912 WCBD-2 SC (726)
"My shortest skip to date!"
21 Es 2002 WDIQ-2 AL (940) (t)
25 Es 1202 KATC-3 LA (1197)
1304 WLBT-3 MS (1018)
1306 WMAB-2 MS (884)

June 1993

28 Es 1230 WPBT-2 FL (1209)
July 1993
1 Es 1406 WCTV-6 GA (920) (t)
"The M.U.F. was at 107.3 Mhz.)

All times listed are EDT, Ch. 6
receptions were on the car radio.

Jeff Falconer, Box 63, Clinton, Ontario Canada NOM 1L0

Equipment: Icom R7000, 25 element log periodic at 25 feet AGL.

December 1992

18 Es 0134 KNOP-2 NE (997)
0201 KWGN-2 CO (1242)
0214 KCNC-4 CO (1242)
19 Es 1527 UNID-2 PQ (t) (Fr.)
1699 WGBB-2 MA (536) Prev. MS
tr 1808 WTAE-4 PA (234)
21 Es 0334 CKYB-4 MB (972)
0353 CKND-2 MB (857)
1058 WEDU-3 FL (1084)
1059 WPBT-2 FL (1236)
1100 WESH-2 FL (997)

March 1993

27 tr 0815 WEHS-60 IL (332)
0816 WSNs-44 IL (332)
0818 WCIU-26 IL (332)
0830 WINM-63 IN (223)

June 1993

12 Es 1200 WTVY-4 AL (883)
21 Es 1717 WWL-4 LA (1056)
1747 WETB-2 FL (997)
24 Es 1729 WPBT-2 FL (1171)
1730 WJXT-4 FL (918)
1732 WPTV-5 FL (1171)
1733 WEDU-3 FL (1084)
26 Es 1551 KJRH-2 OK (923)

Skip in the middle of the
night, an insomniacs dream!
I changed the 12-19 logging
from WGBS-2 to WGBH-2, I
didn't think my local Ch. 57
had a station in Mass. sw

SAUL CHERNOS - 57 BERKELEY ST., TORONTO ON M5A 2W5 (416) 364-0725

June 1993

11 Es (Burnt River)
1050 unID 2 Spanish and mentions Cuba, Mexico
1055 KPRC 2 TX Houston

July 1993

7 Tr (Toronto)
0825 WNWO 24 OH Toledo
0830 WVIZ 25 OH Cleveland
0835 CICO32 32 ON Windsor TV Ontario
0845 WGPR 62 MI Detroit
0850 CBLN 64 ON Chatham CBC English
0900 CIII55 55 ON Fort Erie Global
0905 CICO 59 ON Chatham TVO
0910 CICO 51 ON Penetang TVO

11 Tr (Toronto)

0800 W38AW 38 NY Rochester MSTV LPTV
0810 W15AL 15 NY Rochester LPTV
0820 W 59 NY Rochester xltr // 49 Buffalo

12 Tr (Toronto)

0855 CBLFT12 53 ON London CBC SRC
24 Es (Burnt River to AR, MO, OK, TX)

1200 ABC 2 (WBRZ???)

1203 Winnie the Pooh cartoon, separate maybe from the ABC

25 Es (Burnt River)

2100 KGFE 2 ND Grand Forks Prairie Public TV



WITH-TV 7

COMMENTS: Because the tower is down at Burnt River - my parents
rebuilt the place and an antenna isn't up yet - I've made do with
indoor rabbit ears and a car FM radio. Otherwise I'd have more in
the Es dep't. In Toronto, only ch. 2 is viable for Es in my
downtown apartment, and, with a mere dipole for VHF for the time
being, I've only had unIDs for Es, preferring to concentrate on FM.

73s, Saul

TOM BRYANT - 849 TODD FREIS DRIVE - NASHVILLE, TN 37221 - 615-646-2000 - (COT)

EQUIPMENT: VHF & FM: Antennacraft CS-1000 @ 20'; UHF: Antennacraft P-5 parabolic w/Antennacraft preamp @ 25'; AG-6 coax on both; Archer rotor; Emerson VCR (model 754); Portland 13" color receiver. New loggings underlined. Relogs noted only when rare.

July 1993

4 Tr 0550 WGBD 66 IL 407 4 Tr 0630 WLFI 18 IN 301 9 Tr 2325 WCHS 8 WV 319
0559 WHS 60 IL 405 0630 WJYS 62 IN 384 23-24-25 (SEE NOTES)
0559 WSEBK 65 IN 196 6 Es 1859 KENW 3 NM 963 26 Tr (SEE NOTES)
(rel-Terre Haute)

NOTES: Lousy month for Es with only one stn ID'd..pretty terrible Es summer for that matter (but I did snag two new ones in June). The convention catches left me in a bit of a predicament. I would have liked to have counted ALL the stuff they got while I was present in the room, but decided that wasn't really fair...so I opted to add only three stns to my home log (less than 25 miles from convention site): KMTV 9 OK 594; WFAA 8 621 TX; and KTEN 10 OK 556. My reasoning was that I was operating the receiver at the time these were logged (7/25 between 0400 and 0530); it was the tv set from my shack; and I was only casually observing the UHF catches being snagged by Bob Seybold. At any rate I managed to get one new state out of the "DX Shootout". 7/26 saw a big evening Tr opening from NW thru NNE..all relogs..Peoria, Indy, Springfield (IL), Lexington (KY), Dayton, etc. all s/f or near s/f. Finally, thanks to everyone who came to the convention as well as a couple of members who called to wish us well. It was really a lot of fun; and although hosting precluded some of the more leisurely socializing and gabbing, it was still a blast. There's a detailed report elsewhere in this issue. Hey...I'm already looking forward to next year! 73's and goodDXing. — Tom

Joseph Fela, 150 Robert Place, So. Plainfield, N.J. 07080

August 1993

3 tr 0845 WLTX-19 SC (550)
WOLO-25 SC
WRLK-35 SC

August 1993

4 tr 0850 Springfield, Mass. U's
5 tr 0900 WUNG-58 NC
2100 Boston U's snowfree

"Some nice early morning humidity ducting that developes out of nowhere, comes bombing in strong, then fades out completely in less than an hour."

Stephen West, 26 Dougherty Blvd, G-8, Glen Mills, PA 19342-1140 N3FYO

Equipment: Winegard PA-4975 UHF amp., 8-Bay UHF antenna indoors at 400' ASL.

July 1993

16 tr 0835 WSEB-35 PA (300) (t)

August 1993

4 tr 0900 WRLK-35 SC
WCTP-36 SC (t) (tone)
WFCT-62 NC (370)
WZXX-65 VA (180)
8 tr 2300 WUNM-19 NC (320)
10 tr 0830 WUNM-19 NC
WHMC-23 SC (430)
2030 WUNM-19 NC
11 tr 2100 Boston U's
WUNM-19 NC

August 1993

2 tr 0830 WNSC-30 SC (440)
WRLK-35 SC (480)
4 tr 0830 WCCB-18 NC (420)
WUNM-19 NC (320)
WLFL-22 NC (320)
WTAT-24 SC (t)
WNSC-30 SC (440)
W34AX-34 NC

Skip has skipped town but tropo has taken over. There has been a lot of Virginia and Connecticut tropo which I don't report. WPDE-15 in South Carolina has been seen on the Ch. 25 Xltr. of WHRO-15. I probably had Ch. 5 in Boston one night but I missed the ID, they mentioned NewCenter 5 News. Ch. 14 in Arlington, VA is on now. They have Home Shopping but it is different than Ch. 24 in Baltimore, but no better. They have a red house in the corner instead of blue. It is interesting to not that Joe Fela had ducting to South Carolina on mornings I didn't, and vise versa.

Dave Nieman - 12284 Nice Road - Akron, New York 14001-9529

Equipment: RCA 19" b&w TV with Teknika 6510 tuner, Channel Master 3617B VHF antenna on a CDE rotor at 23' AGL (813' ASL). Channel Master 4251 (7' dish) UHF antenna into a Blonder-Tongue CMA-Ub preamp on a crankup tower at 30' AGL (820' ASL) with Alliance HD-73 rotor. Using RG-11 coax feed for both antenna. New loggings are underlined. New call {KKKK}.

July 1993		July 1993		July 1993	
1 Es 1359 WEDU-3 FL 1065		6 Es 1130 KLINE-3 NE 1091		16 Es 1139 KBME-3 ND 1143	
1400 WCPX-6 FL 1002		1258 KOIA-3 SD 1235		20 Es 0000 C???-3 SK ????	
		1328 WLBT-3 MS 983		(see Note #1)	

NOTES:

#1 Call slide for CKOS-5 Yorkton Saskatchewan.

Skip season has come to a quick end and no sign of any long haul tropo. Dave

Dave Nieman - Ho Sta Oeh Road - Rock City, New York

Equipment: Harvard 13" color receiver/monitor, Channel Master 3617B VHF antenna at 15' AGL (2405' ASL) on a Radio Shack rotor, RG-6 coax feed into Winegard FT-7600 FM trap and DA-205 distribution amp. Antennacraft P-7 (7' dish) UHF antenna into a DX Tele Lab EU-4S preamp at 25' ASL (2415' ASL) on a Alliance U-110 rotor, RG-11 coax feed. New loggings are underlined. New call {KKKK}.

July 1993		July 1993		July 1993	
4 Tr 0729 WMHT-17 NY 232		5 Tr 0411 WRGT-45 OH 341		30 Es 1900 WEDU-3 FL 1002	
(see Note #1)		(see Note #2)		August 1993	
0830 WDCD-19 MA 274		0438 WLIO-35 OH 306		1 Tr 0830 CRIET14-32 ON 186	
		(see Note #3)		0900 CHOT-40 PQ 274	
		0500 WTLW-44 OH 308		(see Note #4)	
		0700 WLYJ-46 WV 212			

NOTES:

#1 Over WNED Buffalo, NY

#2 Running 3/4 modified color bars with ID on it.

#3 Running 3/4 color bars with ID on it.

#4 Running 3/4 color bars with no ID on it. Sign-on at 09:00.

Been some short haul tropo on the weekends. July 30th I mistook the CCI on the low band as tropo. It turned out to be E-skip to Florida; bet I missed some IDs. Dave

Eric Voytko 1721 Dalewood Place, McLean, VA 22101

703-356-9663

Equipment; All loggings from Pickett Rd, Fairfax, VA; Sony KV-8AD11 TV, Archer U-120 Winegard CP-4800 amp at 25 ft.

July 1993		12 Tr 0730 W52AX MD 40		15 TS 0605 WTJC-26 OH t	
9 Tr 0830 WKFT-40 NC 260		(Leonardtown MSTV)		(note #2)	
WUNP-36 NC 190		WGNT-27 VA 150		26 Tr 0715 WVIT-30 CT 290	
WUNJ-39 NC 320		WTVZ-33 VA 150		0730 WYDO-14 NC 250	
W388B NC 240		WHRO-15 VA 150		WUNM-19 NC 260	
(Raleigh TBN)		WYDO-14 NC 250		W41AC VA 110	
WUNM-19 NC 260		WYED-17 NC 240		(Onancock WAVY-10)	
WYDO-14 NC 250		W34AX NC 190		W44AD VA 110	
WYED-17 NC 240		(Henderson CHA)		(Onancock WTKR-3)	
WUNK-25 NC 230		WUNP-36 NC 190		W56CS VA 150	
WRDC-28 NC 240		WUNJ-39 NC 320		W60AL VA 110	
W437 VA 150		WKFT-40 NC 260		(Onancock WVEC-13)	
(Va. Beach HSC)		W437 VA 150		W25AA VA 110	
W58CD NC t		W56CS VA 150		(Onancock WHRO-15)	
(note #1)		(Portsmouth HSS)		WUNK-25 NC 230	

Note #1-Received this one several times with HSS while Raleigh was in good, but no ID. I know W58CD is licensed to Raleigh, but don't know if they run HSS.

Note #2-Brought in the R-7000 this day and had no tropo, but some interesting scatter. This station was 264, definitely HSC (not Spree) and due west. Could be WTJC or K26CR-MO; although I doubt it's the latter, either one is rare path under and conditions.

STATION NOTES: WRDC-28 Durham non-ID's as "Tri-28" (Raleigh, Durham, Chapel Hill)
WFTY-50 D.C. runs Valuevision at night

COMMENTS: Lots of new LPTV's from the big hill in Fairfax. North Carolina openings are much better here than at McLean, even though the dish is there. The U-120 is a poor performer by comparison, though; northern stations are impossible (WVIT could only be received off back) and the nulls are few. I would like to install a dish here, though it would have to be a retractable installation as this area is known locally as 'tornado alley'. -E.V.

Jeff Wolf, 1131 University Blvd., Apt. 701, Silver Spring, MD 20902

Equipment: Daytron 12" B&W TV, Sears AM/FM/TV radio, Radio Shack 15-1104 VHF/UHF amp (only used for UHF), 4 bay UHF antenna, twin bow tie UHF antenna (both Radio Shack), Radio Shack 15-235 rabbit ears (used for VHF) and also using the buildings VHF antenna for channels 2,3,4,5,8,9,10,11 and 13 (antenna is pointed northeast).

July 1993

1 Es 1927 WPBT-2 FL (900)
3 Es 1015 CUBA-3 (t)
1342 KATC-3 LA (t)
1515 (M.U.F. 92.9)
1530 KFDX-3 TX (1225)
2240 UNID-2 (NBC)
4 Es 1115 CUBA-2 (t)
5 tr 0858 WYDO-14 NC (250)
6 Es 1900 WPBT-2 FL (900)
8 tr 0750 WRDC-28 NC (248)

July 1993

12 tr 0700 WYDO-14 NC (750)
15 Es 1904 KGAN-2 IA
24 Es 1207 UNID-3
tr 1529 WQEX-16 PA (186)
25 tr 0102 WPIX-11 NY
WCBS-2 NY
Es 1518 UNID-3 (ABC)
1529 WQEX-16 PA
1804 WBRZ-2 LA (950)
tr 2100 HSN on ch. 43 VA

Frank Wheeler, 8533 Wattsburg Road, Erie, PA 16509

Equipment: Crosley Color TV (1992), Archer VUL60 antenna

June 1993

23 Es 1055 WPBT-2 FL (1112)
24 Es 1900 WPBT-2 FL
1927 WWL-4 LA (1002)
25 Es 1100 WPBT-2 FL
1130 WTVJ-4 FL
1228 WEDU-3 FL (988)
1230 WWL-4 LA (1002)
1301 WBRZ-2 LA (1016)
28 Es 1055 WPBT-2 FL
1159 WEDU-3 FL
1300 WTVJ-4 FL
2200 KPRC-2 TX (1212)

June 1993

30 tr 0725 WCMU-14 MI (254)
0930 CFMT-47 ON (115)
July 1993
1 Es 1303 WEDU-3 FL (988)
1330 WPBT-2 FL
WUFT-5 FL (862)
WTVJ-4 FL (1112)
2000 WESH-2 FL (908)
3 Es 1057 WPBT-2 FL
1327 WBRZ-2 LA
1330 WEDU-3 FL
1530 KPRC-2 TX (1212)

Sorry I didn't receive your report of May 13th (unlucky even on a Thursday I guess) so I will print it if you can send it again. sw

Keith R. Short, 3515 Medina Avenue, Columbus, Ohio 43224

Equipment: 1978 Sears 19" Color TV, Archer Color Supreme 200 amplified indoor antenna, Archer double bow tie UHF antenna, Sears 26" Color TV (1987) with an Archer Supreme amplified TV/FM antenna.

June 1993

3 tr 0145 WTSF-61 KY (129)
18 tr 2330 WXIX-19 KY (111)
WOUB-20 OH
WUPW-36 OH (144)
28 Es 1355 WPBT-2 FL (1261)
30 tr 0127 WMFD-68 OH

July 1993

7 tr 1255 WTWO-2 IN (249)
10 tr 2100 WBOY-12 WV (180)
2140 WSTR-64 OH (111)

July 1993

10 tr 2335 WTRF-7 WV (126) *
2345 WPTT-22 PA
11 tr 0040 WPTD-16 OH
WKEF-22 OH
WRGT-45 OH
0055 WAKC-23 OH (126)
0105 WLIO-35 OH

*mentioned Tri-State area

Thanks for the report and the WPBT-2 reception verification, it's good to hear from new reporters (and the regulars)! sw

Channel 7 in Philadelphia

8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30
R.J. and Co.	Radio on TV	Psychic Advice Line 22015	Astrology/Numerology	All Night Psychic Line 83763			

JUNE 1993

JUNE 1993

JULY 1993

3 Tr 0726 KADN-15 LA 667
 0727 KETH-14 TX 858
 0727 KRIV-26 TX 857
 0727 KTMD-48 TX 841
 0727 KHSX-67 TX 858
 0727 KHTV-39 TX 858
 0727 KXTX-39 TX 970
 0728 KXAN-36 TX 997
 0730 KBVO-42 TX 997
 0731 KXLN-45 TX 858
 0731 KNCT-46 TX 991
 0731 KHSX-49 TX 970
 0739 KVDA-60 TX 1023
 0757 KITU-34 TX 765
 0800 KDAF-33 TX 970
 0806 KDTX-58 TX 970
 0852 KTFH-49 TX
 0900 KVPH-29 LA 746
 Es 0907 WFSB-3 CT 1032
 0907 WSTM-3 NY 1037
 0913 KFOR-4 OK 1062
 0920 KFDX-3 TX 1081
 0924 KTBS-3 LA 802
 0940 KFSM-5 AR 902
 0958 KCTV-5 MO 1051
 1050 Had to leave...
 Tr 2208 KMCT-39 LA 692
 2208 KARD-14 LA 692
 2211 WDAU-34 AL 368
 2213 WMCF-45 AL 396
 2213 WGNX-46 GA 408
 2213 KHSX-49 TX 970
 2218 WACH-57 SC 383
 2214 KHSX-67 TX 858
 2222 WAIQ-26 AL 399
 2222 WIIQ-41 AL 472
 2222 WEIQ-42 AL 422
 2236 WVEU-69 GA 406
 2239 KXTX-39 TX 970
 2239 KDAF-33 TX 970
 2242 WWSW-66 AL 369
 2303 WOLO-25 SC 384
 2349 WJPM-33 SC 409
 2353 WBMG-42 AL 473
 4 Tr 0000 KMSS-33 LA 802
 (ID came out of
 nowhere then gone)
 0005 WJSP-28 GA 361
 0008 WCAJ-68 AL 474
 0440 KLRT-16 AR 786
 0442 WLFL-22 NC 518
 0442 WGBX-30 MS 512
 0510 WGGT-48 NC 515
 + many of the same
 stns as last night
 5 Tr 2100 WFGC-61 FL
 Palm Beach
 6 Tr 0658 WSRZ-23 FL 380
 0658 WPMI-15 AL 407
 0658 WHBR-33 (AL) 407
 2248 Mobile 5,15,42
 2248 Pensacola 23,44
 7 Tr 0736 Mobile-Pensy U's
 0737 WDAU-34 AL 368
 0738 WGNX-46 GA 408
 0800 WAPT-16 MS 599
 0805 WDBD-40 MS 594
 0815 WXXV-25 MS 490
 Es 1129 KYTV-3 MO 900
 1149 KMOL-4 TX 1023
 1153 KPRC-2 TX 858
 1159 unID-3 full CB
 1224 KIII-3 TX 991
 1229 KENS-5 TX 1023
 2302 WJKA-26 NC 429
 2302 WUNJ-39 NC 429
 2302 WCNC-36 NC 467
 2332 WLTX-19 SC 387
 2337 WTVI-42 NC 464
 2337 WUNG-58 NC 467
 2338 WRJA-27 SC 376
 2344 WIS-10 SC 389
 8 Tr 2030 Wilmington U's
 2030 SC 15,19,27,33
 2051 WYDO-14 NC 532

9 Tr 0636 Wilmington U's
 0636 WPDE-15 SC 421
 0636 WKFT-40 NC 502
 0636 WFCT-62 NC 459
 0641 WUNP-36 NC 574
 0651 WJZY-46 NC 473
 0654 WCNC-36 NC 408
 0705 Had to leave...
 2038 Florence 13,15
 2038 Wilmington U's
 2038 Many other SC U's
 2214 W44AX SC 310
 Charleston (TBN)
 2217 WCTP-36 SC 320
 Charleston
 10 Tr 0446 W48BH GA
 Statesboro
 (see note #1)
 11 Tr 0011 WLFL-22 NC 518
 0011 WPTF-28 NC 521
 12 Es 1555 WDIV-4 MI 970
 1558 WSTM-3 NY 1037
 1604 WFRV-5 WI 1158
 1633 WNEW-5 MI 1042
 1659 WPSX-3 PA 885
 1810 CKVR-3 ON 1097
 2114 KTIV-4 IA 1279
 2050 KMOW-4 MO 863
 2138 WDAF-4 ? MO T
 2138 KCTV-5 ? MO T
 17 Tr 0515 Macon U's 323
 0518 Atlanta U's 408
 18 Tr 0040 SC 19,24,25
 0500 Macon U's 323
 0500 Atlanta U's 408
 0500 WTLK-14 GA 458
 0505 WCNC-36 NC 467
 0505 WJZY-46 NC 473
 Es 1930 WTVH-5 NY 1038
 2025 KCTV-5 MO 1051
 2056 WMAQ-5 IL 990
 19 Es 0945 unIDs 2,3,4
 21 Es 1205 WAPA-4 PR 1198
 1205 WJPM-3 PR 1150
 1207 WKAQ-2 PR 1198
 1207 WORA-5 PR 1149
 24 Es 1816 CFMC-4 PQ 1373
 1845 WBZ-4 MA 1106
 1850 WFSB-3 CT 1032
 1900 WABI-5 ME 1303
 29 Es 1124 KRGV-5 TX 996
 1124 KGBT-4 TX 1022
 1141 KIII-3 TX 991
 1142 XHPN-3 CL
 (see note #2)
 1156 KMOL-4 TX 1023
 1220 KENS-5 TX 1023
 JULY 1993
 2 Es 1149 KIII-3 TX 991
 1258 KFOR-4 OK 1062
 1430 KTX-5 TX 1262
 (see note #3)
 3 Es 1124 WCCO-4 ? MN T
 1129 KTVO-3 MO 1011
 1259 WOI-5 IA 1148
 1414 WNEW-5 MI 1042
 1605 WFRV-5 WI 1158
 1726 WHBF-4 FL 1037
 1746 KXAS-5 TX 971
 1900 KMOL-4 TX 1023
 1900 KJAC-4 TX 770
 1901 KATC-3 LA 673
 1912 KIII-3 TX 991
 1914 KGBT-4 TX 1022
 1917 KPRC-2 TX 858
 5 Tr 0007 WPDE-15 SC 421
 0007 WTAT-24 SC 320
 0007 WJKA-26 NC 429
 0007 WUNJ-39 NC 429
 Es 1345 unID-4 SS
 1348 KGBT-4 TX 1022
 1426 KRGV-5 TX 996
 1427 KIII-3 TX 991
 1715 WMAQ-5 IL 990
 1720 WTMJ-4 WI 1010

5 Es 1729 KTVO-3 MO 1011
 1753 WUIV-4 MI 970
 1757 KMT-3 IA 1154
 1907 KMTV-3 NE 1210
 1918 KDFW-4 TX 971
 1927 KFDX-3 TX 1081
 1933 KOCO-5 OK 1062
 2029 KENS-5 TX 1023
 Tr 2040 Mobile-Pensy U's
 + WKRC-5 AL 419
 Es 2047 KXAS-5 TX 971
 9 Es 1212 KBTX-3 TX 893
 1221 KDFW-4 TX 971
 1230 KPRC-2 TX 858
 1241 KXAS-5 TX 971
 1248 KFDX-3 TX 1081
 1249 KTX-5 TX 1262
 1259 KMOL-4 TX 1023
 11 Es 1550 KPRC-2 TX 858
 1550 KIII-3 TX 991
 1600 KJAC-4 TX 770
 1637 KENS-5 TX 1023
 1643 KMOL-4 TX 1023
 12 Es 1804 XHTV-4 DF 1283
 1815 XHGC-5 ? DF T
 (Tiny Toons)
 14 Es 1304 KGBT-4 TX 1022

(Log now at 474 stations)

Note #1: Slide that read:

"WGA-TV 48 Statesboro,
 Ga. welcomes you to our
 viewing area...we begin
 daily programming in July"

Note #2: Calls seen thru

KIII-3 --- I strongly
 suspect this to be the
 source of the unid full
 CB often seen on 3 when
 south TX in on Es.

Note #3: First time I've
 EVER been able to ID
 this one in 20 years!

June started out with a
 bang with the first Gulf
 tropo ever seen by me in
 June. (Last year's July
 Gulf tropo was also a
 first!) There was also
 some pretty fine Atlantic
 coastal tropo later in
 the month. The summer Es
 season wasn't too bad...

I've seen much worse. I
 confess that this year my
 attentions have centered
 on FM whenever the MUF
 topped 88 mHz, so there
 have been big swatches of
 skip openings where I
 have all but ignored TV.
 I know that's blasphemy
 to you TV-only types, but
 I've almost reached the
 single-hop saturation
 point on TV skip, at
 least on channels 2-5
 (WCPX-6 is a formidable
 local to deal with...) I
 DID log a new state (ME)
 and finally logged KTX-5
 after years of trying. I
 would often note PBS on 5
 during TX openings over
 the years, but until this
 summer could NEVER get an
 ID on them! New WFGC-61
 is religious and seems to
 be affiliated with WCLF-22
 et.al., though not always
 in //. Alas, we will soon
 enter that no-man's land
 between summer skip and
 fall tropo! 73, JOHN.

WESTERN TV-DX

Fred McCormack
PO Box 65666
St. Paul MN 55165-0666

(612) 735-6860

September 1993

Deadline: 10-07-93
Cut-off: 07-01-93

It looks like July was a good month for TV-DX. The column has swelled to 12 pages of loggings and commentary (although a significant portion of the column is dedicated to old loggings). E skip was reported by someone on every date in July with the exception of 20, 22, 28, and 31. One hot E skip date was the 14th when Mike Cherry found 6 meters open to "just about every part of the US and southern Canada all at once." Long haul UHF was noted from Illinois to Texas by Robert Delaney on the 25th and 26th and from Baton Rouge to Nuevo Leon by Jeff Kruska on the same dates. And there was lots more!

The column is being printed on a crippled printer this month. I don't know yet what has happened, but the result is that the bottom row of each character is not printed. This affects the frequently used underline as well as the lower case letters q, p, q, and y. I can't do much about those letters, but this month I am attempting to use bold print to indicate new loggings instead of the traditional underline. I hope it is obvious in the final production.

New New Mode Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - ● Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - // MTS Stereo - \$

THIS MONTH, NEW LOGGINGS ARE SHOWN IN BOLD PRINT INSTEAD OF BEING UNDERLINED

Marvin Shults, RR #1, Toulon IL 61483

CDT

June 1993	9 Es 2100	KENW	3 NM	915	18 Es 1930	WUFT	5 FL	890
2 Es 1928 XEPM 2 CH 1125		KMID	2 TX	925	21 Es 1859	WCBS	2 NY	825
unid channel 3	2156	KPRC	2 TX	855	1930	WGBH	2 MA	960
1930 KPRC 2 TX 855	2240	KUTV	2 UT	1160	2000	WLBZ	2 ME	1095
KVBct 3 NV	11 Es 0628	WUND	2 NC	810				
2202 KASA 2 NM 970	12 Es 1430	WESH	2 FL	965	July 1993			
KTVK 3 AZ 1330	1458	WPBT	2 FL	1180	1 Es 1930	KWGN	2 CO	810
2214 KPHot 5 AZ	13 Es 1336	KRTV	3 MT	1140	1934	KASA	2 NM	970
5 Es 1512 CKCW 2 NB 1290	1338	CKKK	2 AB	1345	2000	KENW	3 NM	915
CKLT 3 NB 1220	1340	KTVQ	2 MT	985	3 tr 0553	KELO	11 SD	380
8 Es 1930 XEFE 2 TA 1085	16 Es 2159	XEPmt	2 CH		Es 1430	WEDU	3 FL	1010
1959 KPRC 2 TX 855	17 Es 1759	KUTV	2 UT	1160		WPBT	2 FL	1180
2000 KMID 2 TX 925	1800	KSL	5 UT	1165	6 Es 1959	XEPM	2 CH	1125
9 Es 1650 unid channel 2	2100	unid ch 2 Mexico				unid ch2 Spanish		
1656 unid ch 3 PBS	18 Es 1859	WPBT	2 FL	1180	9 Es 1957	KWGN	2 CO	810
1948 ICR 2 Cuba		WEDU	3 FL	1010	2041	KUTV	2 UT	1160
2030 XEJ 5 CH 1125	1900	WESH	2 FL	965				
2100 XEPM 2 CH 1125	1929	WTVJ	4 FL	1180				

Jeff Kruska, 7706-M N Jefferson Place Cir, Baton Rouge LA 70809 (504-923-0196)

CDT

Equipment:

1992 Zenith "Sentry 2" 13" color TV (Model #S1318S). UHF: RDX Labs UA-900 preamp, Channel Master 4228A 8-bay ●30 ft. VHF: Rabbit ears + quad loops for chs. 3 and 5. Mitsubishi HS-U31 VCR.

July 1993	3 tr 0636	KLDT	55 TX	380	5 tr 0752	KVDA	60 TX	445
1 Es 1720 unids 4,5	0651	@KXXV	25 TX	360	Es 1152	unid SS 3,4		
1805 KXJB 4 ND 1130	0652	KBVO	42 TX	395	1708	WWAY	3 NC	810
1808 KDLO 3 SD 1025	0654	@KFWD	52 TX	395	1712	WECT	6 NC	805
1828 KDLH 3 MN 1080		(o/local K52CQ)			1716	WUNC	4 NC	790
2 Es 1459 unids 3,4	0703	KXAN	36 TX	395	1728	WRAL	5 NC	810
3 tr 0531 @KLRT 16 AR 305	0905	KVDA	60 TX	445	1924	unid 3 Spanish		
0541 KABB 29 TX 445	Es 1450	unids 3-6			2126	unid 6		
0554 KLTV 7 TX 280		(No time)			6 Es 1701	unid CBs 3!		
0559 KXTX 39 TX 365	2140	KDBC	4 TX	910	1714	unids 4,5		
0600 KDFI 27 TX 365	2158	KOB	4 NM	955	1743	WRC	4 DC	985
0606 unid 27 TBN to n	5 tr 0745	WMAV	18 MS	295	1800	KYW	3 PA	1120
0610 KTXA 21 TX 395		(// WMAU-17)			8 tr 2328	W58B0	58 MS	80
KHSX 49 TX 375	0752	KXAN	36 TX	395		(Natchez		TBN)
0622 @KHCE 23 TX 445		KRRT	35 TX	475	2330	unid 27 TBN		

Jeff Kruszk (continued)

12 Es 1738	unid 3 wk brief	24 Es 1845	XHTV 4 DF 925	26 tr 0110	K17BY 17 TX 445
15 Es 2200	unid 3 vy brief	tr 2200	KLRU 18 TX 395		(San Antonio GLA)
18 Es 1140	unids 3,4	2230	KMBH 60 TX 495	0116	KNVO 48 TX 525
23 tr 0601	KUVN 23 TX 365		KVDA 60 TX 445	0133	=XHMNL 28 NL 650
2324	KRRT 35 TX 475	25 tr 0056	KTXA 21 TX 395		(2 nights in a row!)
2330	KNCT 46 TX 375	0124	KAVU 25 TX 370	0148	K22DP 22 TX 310
2355	KDFI 27 TX 365	0136	KVEO 23 TX 500		(Bryan VJN - u/KLTJ)
2358	KTXA 21 TX 395	0207	=XHMNL 28 NL 650	0158	KXAM 14 TX 445
24 tr 0001	KCTF 34 TX 360	Es 1821	TGV 3 GU 1100	0206	K33CK 33 TX 445
0024	KVEO 23 TX 500	tr 2158	KEDT 16 TX 425		(San Antonio TBN)
0036	KLDO 27 TX 540	2300	K50AO 50 TX 425	K31AI	31 TX 265
0105	KWTX 10 TX 360		(Corpus Christi VJN)		(Huntsville TBN)
0128	=KHCE 23 TX 445	2322	KWEX 41 TX 445	0245	K16BY 16 TX 265
0130	=KORO 28 TX 425	2326	K47DF 47 TX 425		(Crockett LPTV)
0211	=KVUE 24 TX 395		(Corpus Christi LPTV)	0311	KLDT 55 TX 380
0248	=KSAT 12 TX 445	26 tr 0000	KLDO 27 TX 540		0400-0500 1 hr sleep
0254	KTBC 7 TX 395		(like a local)	0519	=KVTV 13 TX 540
		0018	KORO 28 TX 425	0555	+KTAB 32 TX 525

E-skip improved somewhat this month, though the signal strengths were still weak most of the time. For some reason, N. Carolina has always come in super clear for skip. Tropo on the 25th and 26th were excellent - I ended up pulling an all-nighter on the 26th and calling in a 1/2 day of vacation at work!

(Your TBN on channel 27 from the north could be K27EF at Monroe. This construction permit was granted on August 4, 1992 with an authorized ERP of 11.7 KW. I don't know if it is on. fm)

Mike Cherry, Box 631, Ganges BC V0S-1E0 (604-537-5201)

PDT

Equipment: See August 1993 Western TV-DX.

June 1993					
20 Es 1159	CBWFT 3 MB 1167	29 Es 0700	\$KVBC 3 NV 986	14 Es 1000	KDUH 4 NE 1080
1200	KXJB 4 ND 1207	0743	KTVK 3 AZ 1223	1033	KDLO 3 SD 1245
1230	KBME 3 ND 1062			1059	KDLH 3 MN 1452
1258	CFSS 3 SK 936	July 1993			
1300	CBKMT 4 SK 792	2 au 1850	heavy CCI chs2-4	1100	WCCO 4 MN 1445
1334	\$KTWO 2 WY 926	4 Es 0929	KNAZ 2 AZ 1137		KSTP 5 MN 1445
1359	KCWC 4 WY 833	0958	KTVK 3 AZ 1223	1128	\$KVBC 3 NV 986
1428	KVBC 3 NV 986		(See notes)	1130	XHBC 3 BN 1197
1444	KTVU 2 CA 769	5 Es 1914	KVBC 3 NV 986	1200	\$KMTV 3 NE 1428
21 Es 0900	KVBC 3 NV 986	10 Es 1900	KTVK 3 AZ 1223	1331	KREG 3 CO 1028
	(0900-1112)	13 Es 1834	KTIIV 4 IA 1376	1358	KCCZ 4 UT 940
1759	\$KENW 3 NM 1245		1900 KIMT 3 IA 1596	1400	KVBC 3 NV 986
1800	KASA 2 NM 1245	14 Es 0856	KYTV 3 MO 1725	1430	KTWO 2 WY 926
22 Es 0935-1340	southern CA	0859	KCWC 4 WY 833		KCWC 4 WY 833
	MUF:3+ - at work	0900	KXGN 5 MT 877	1458	KENW 3 NM 1467
25 Es 2057	KLBY 4 KS 1277	0919	CITL 4 AB 662	1500	KOB 4 NM 1280
2100	KSWK 3 KS 1350	0930	CKVR 3 ON 2072	1531	KTVS 3 CO 1150
28 Es 1120	KOTA 3 SD 1015		(New province!!)	1600	KWGN 2 CO 1096
	(1120-1230)	0931	CBKMT 4 SK 792		\$KCNC 4 CO 1096
29 ms 0523	KBCI 2 ID 499	0946	KTVX 4 UT 794	15 ms 0543	KOTI 2 OR 476
		1000	\$KLINE 3 NE 1311		(23 seconds)
				0559	KSWK 3 KS 1350

E skip season so far has had average number of hours duration, but above average long-haul skip. I hesitate to call it "multi-hop" as this term only applies to SOME long-haul E skip. This is demonstrated by some of the loggings that occurred on July 14 - so far the best of many good days here in the Pacific Northwest. Some of the long-haul E skip experienced on 50 MHz (6 meters) has been of the ducting variety with no signs of intermediate area open for DX.

My favorite theory for the great conditions of July 4-15 involves the presence of horrendous low-pressure systems (the cause of the severe floods!) in the midwest coupled with the high pressure heat-wave that gripped the east coast. This theory is based on Mel Wilson's excellent 2-part "Intense Sporadic-E Propagation at Mid-Latitudes" to be found in the book "Beyond Line of Sight" by Emil Pocock. The article includes some TV-DX data plus our club's address!

July 4 opening to the Phoenix area on TV occurred while I worked into Mexico City area on 6 meters! I could also hear Phoenix and San Diego operators talking to the Mexicans - the classic "double-hop."

Mike Cherry (continued)

July 14 - what a day!! 6 meters was open to just about every part of the US and southern Canada all at once. Many times the hash on the TV screen was 4 or 5 stations deep with various audio on all 3 offsets on the Kenwood receiver. Here at my new QTH, I have less of a problem with overload from CHEK-6 on Saturna Island (Victoria, BC) and can log the real strong stuff. On 5, semi-local KING-5 is also a problem, but not with the antenna pointed due east and towards north. At 0930 whilst logging a new station and province, 50 MHz was open to south central Ontario and New England as far south as Washington, DC.

No openings yet to Alaska on VHF. I'm also watching for signs of E skip on the Russian channel R1 (49.750) video frequencies. I checked FM with a set of rabbit ears during a few openings where the 50-65 MHz got shorter than 700 miles but only heard a brief 88 MHz signal from South Dakota in early June. I hope other members are getting some good skip conditions this summer. No complaints here - except lack of E skip at FM and above. 73's Mike, VE7SKA

Christopher W. Hanley, 1321 Beecher Avenue, Galesburg IL 61401-2027

CDT

Equipment:

VHF antenna (unknown vintage) at approximately 30 feet. Tabletop Radio Shack UHF bow tie in the attic at approximately 15 feet. Kawasho 13" color set.

Greetings from Galesburg. I haven't written in some time, largely because there hasn't been much to write about. My outside antenna got torn down for a room addition, and we haven't had the means to replace it yet. Consequently, my tropo DX is at a standstill; channels 12 and 30 from Milwaukee in March are all I have new to show for it this year so far.

E skip has been a little better when I could get to it. Here's what I've got:

June 1993		21 Es 1817	WSAZ 3 WV 464	3 Es 1205	WPBT 2 FL 1186
16 Es 1929	KRGV 5 TX 968		(See Note)	1400	WEDU 3 FL 1013
18 Es 1900	KIII 3 TX 1004	1832	WFSB 3 CT 910	1408	WESH 2 FL 973
	KRGV 5 TX 968	July 1993		1428	WUFT 5 FL 895
1902	KPRC 2 TX 836	1 Es 1829	KBTX 3 TX 784	1432	WPTV 5 FL 1147

Note - State number 27 and my shortest E skip ever!

Hope things are going well for everyone who reads this. God bless and 73's.

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216 (414-388-2350)

CDT

Equipment: See August 1993 Western TV-DX.

July 1993		3 tr 0510	W40AN 41 MI 95	4 tr 0639	WTWO 2 IN 360
1 Es 1300	unids chs 2 & 3		(Escanaba w/WISN-12)		(Local WBAY off)
1530	KCNC 4 CO 965		(Normal WLUK-11)	0703	WKGB 53 KY 510
1716	KBTX 3 TX 1065	Es 1420	WDIQ 2 AL 890		WKLE 46 KY 480
	KDFW 4 TX 965		WEAR 3(AL) 955		W68AA 68 IL
	KDTnt 2 TX		WKRG 5 AL 950		(Danville WAND-17)
1749	KRIS 6 TX 1280	1431	WTVY 4(FL) 940	0715	WUSI 16 IL 390
1818	KXAS 5 TX 965	1432	WUFTt 5 FL		KNLC 24 MO 450
1829	KENW 3 NM 1145	1500	WLBT 3 MS 860		KDNL 30 MO 430
1859	KAMR 4 TX 985		(ID "40 Years WLBT-3")		WHSI 46(MO) 445
	KLBY 4 KS 795	1505	WDSUt 6 LA		KMOVt 4 MO
1900	KSWK 3 KS 840	1517	WBRZt 2 LA	1003	WKYUt 24 KY
1903	KBSdt 6 KS		WWL t 4 LA		WDRB 41(IN) 430
1930	KFDX 3 TX 935	1527	WCTVt 6 GA		WLKY 32(IN) 430
2000	KXTXt 5 TX	1535	left house	Es 2054	unids 2-3 south
2026	KACvt 2 TX	1700	WCBD 2 SC 900	5 Es 2154	unid channel 2+
	KASat 2 NM	1710	WCIVt 4 SC	6 tr 0540	KYOU 15 IA 345
	KOB t 4 NM		WWAYt 3 NC		WICD 15 IL 305
2105	all gone	1758	WECTt 6 NC		CBCE 16 ON 285
2 Es 1125	WNBct 4 NY		WFMYt 2 NC	Es 1305	KXLF 4 MT 1210
tr 2022	Rockford 33,45,	4 tr 0607	WEEV 44(KY) 455		KRTV 3 MT 1155
	62 and 68		WTVQ 36 KY 470	1313	CBPC3 3 SK 995
	WNED 45 OH 415		WLCN 19 KY 485	1330	CFQC1 3 SK 1085
3 tr 0445	CBFLT20 26 ON215		(See Note # 1)	1530	KENW 3 NM 1145
	CICO19 19 ON 340	0632	WFIE 14(KY) 455		KOTA 3 SD 780

William Draeb (continued)				12 Es 2107	WEDU 3 FL 1185	18 Es 1718	KATC 3 LA 1030
				2110	WTVYt 4(FL)	1805	KALB 5 LA 965
6 Es 1600 KACB 3 TX 1130				2124	WDIQt 2 AL		WBRZt 2 LA
("KRBC-9 ID")				13 tr 0545	WNEO 45 OH 415	1816	KJAC 4 TX 1050
1602 KWSet 4 ND					W69BJ 69 MI 195	1831	KTBS 3 LA
1615 KAMR 4 TX 985					Cleveland Us	1840	KFDMt 6 TX
1645 KFDX 3 TX 935					(Snow free)	2000	KBTX 3 TX 1065
1659 CITL 4 AB 1185				14 Es 1207	WCBD 2 SC 900		KIII 3 TX 1285
1700 KWAB 4 TX 1125					WCIV 4 SC 900	20 tr 2025	WUSI 16 IL 390
(See Note # 2)					WBTv 3 NC 710	2204	WCET 48 OH 400
KMIDt 2 TX				1220	WFMyt 2 NC		WKON 52 KY 430
KACvt 2 TX				1232	WESht 2 FL		WSTR 64 OH 400
2000 KIII 3 TX 1285				1305	KOTA 3 SD 780		WPBO 42 OH 455
KBTxt 3 TX					(See Note # 5)	2209	WGRB 34 KY 515
2115 KOTA 3 SD 780				1328	KRTV 3 MT 1155		WDRB 41(IN) 430
7 tr 0514 @KYOU 15 IA 345				1829	WBRZ 2 LA 995		WLKY 32(IN) 430
("FOX 15")					KRTV 3 MT 1155		WHTN 39 TN 580
CICO20 20 ON 210					(See Note # 6)		WDKY 56 KY 480
CBLFT20 26 ON215				1832	KFBbt 5 MT		WXIX 19(OH) 400
8 Es 1717 KASAt 2 NM				1915	KYUst 3 MT	2224	WKGB 53 KY 510
KENW 3 NM 1145					KXLF 4 MT 1210	2229	WTVQ 36 KY 470
KOB 4 NM 1185					KOUSt 4 MT		WCTet 22 TN
1746 KAMR 4 TX 985				1925	all gone	2233	WFIE 14(KY) 455
1800 KCNCt 4 CO				15 tr 0515	W30AL 30 IL 200		(Hvy 2-Way CCI)
1811 KLBV 4 KS 795					W64BK 64 IL 285	21 tr 0415	WKMJ 68(IN) 430
(KAKE-10 News)					(Bloomington WWT0-35)		W08BY 8 WI 100
1830 KTBS 3 LA 880					Central IL-IN Us		(Milwaukee VJN)
WEDU 3 FL 1185					(Snow free)	0615	Rockfrd 33,45,62
1900 KOB 4 NM 1185				0540	unid ch 34 TBN	0630	W68BR 68 IL 170
("News 4 New Mexico")				0544	W69BJ 69 MI 195		(Rockford WCPC-38)
KNMet 5 NM					W69BT 69 IN 200		Cincy 19,48,64
1958 KWAB 4 TX 1125					(South Bend WCIU-26)		WKON 52 KY 430
2059 XEJ 5 CH 1350					W69AV 69 MI 95	2035	W36AO 36 IL 165
(See Note # 3)					(Leeland WCML- 6)		(Palatine TBN)
KNME 5 NM 1185					W54BK 54 IN 205		W68AA 68 IL 300
KDBct 4 TX					(Chesterton ANC)		(Snow free)
2215 mostly gone					WCET 48 OH 400	2056	W27AR 27 IN 320
10 tr 0515 @WKBN 27 OH 420					WKON 52 KY 430		(Indianapolis WTHR-13)
W69BJ 69 MI 195					WSTR 64 OH 400		(Morse Code ID)
(Lansing WAQP-49)					("Star 64")	2100	WCCU 27 IL 285
WAKC 23 OH 380				Es 1250	KRTV 3 MT 1155		W47AZ 47 IN 320
2045 W40AK 40 MI 110				1725	WFMY 2 NC 715		(Indianapolis VJN)
(Muskegon CHA)					WWAYt 3 NC	2101	WCET 48 OH 400
(See Note # 4)				1755	WCBD 2 SC 900		Iron Mtn Us
Other lower MI					WCIVt 4 SC		Northrn IL LPTVs
LPTVs snow free				1800	WBTv 3 NC 710		Northrn IN LPTVs
11 tr 0625 W30AL 30 IL 200				1945	WSB t 2 GA		Southern MI LPTVs
(Plano CHA)					unid channel 2+	22 tr 0505	WFIE 14(KY) 455
0655 WTVQ 36 KY 470				2002	WESht 2 FL		WTVQ 36 KY 470
Es 2015 KASAt 2 NM				2009	WJXT 4 FL 1030		W30AL 30 IL 200
KOB t 4 NM				2016	KPRC 2 TX 1115		WDRB 41(IN) 430
unid channel 3					WBRZt 2 LA		W32AC 32 IN 315
2036 KMIDt 2 TX				2023	WMABt 2 MS		(Muncie TBN)
12 Es 1628 KUTvt 2 UT				2032	KDFwt 4 TX		WSTR 64 OH 400
KIDK 3 ID 1245					KXAS 5 TX	0545	WCET 48 OH 400
KRExt 5 CO					(See Note # 7)	1951	WKMJ 68(IN) 430
1658 KTVX 4 UT 1280				tr 2100	W54BK 54 IN 205		WDRB 41(IN) 430
1700 KCWC 4 WY 1065				16 tr 2004	W18AT 18 IN 195		WTVQ 36 KY 470
1717 KXLF 4 MT 1210					(Gary ANC)		WLKY 32(IN) 430
KSL t 5 UT					W24AW 24 IN 205	2146	WCET 48 OH 400
1810 KWSet 4 ND					(Valparaiso ANC)		WKON 52 KY 430
CBP2t 2 SK					W54BK 54 IN 205		(Snow free)
1829 CFON 4 AB 1310					(See Note # 8)		WSTR 64 OH 400
CKKxt 2 AB					Other area LPTVs		W68BP 68 OH 365
1835 KRTV 3 MT 1155				17 Es 1735	KPRC 2 TX 1115		(Dayton TBN)
left house					KBTxt 3 TX	2230	W40AK 40 MI 110
2035 WESH 2 FL 1125				1745	unid channel 4	23 tr 0515	W27AU 27 WI 110
WJXT 4 FL				tr 2202	Iron Mtn Us 100		(Wausau w/WJFW-12)
WUFTt 5 FL				18 Es 1628	KPRC 2 TX 1115		(Normal WISN-12)
2107 WRBL 3 GA 850					KJAC 4 TX 1050	0531	KYOU 15 IA 345

William Draeb (continued)				25 Es 1835	CFSS 3 SK 800	30 Es 1205	KXAS 5 TX 965
					CKCK 2 SK 890		KOET 3 OK 760
23 tr 0727	W66BD 66 IN 260			1837	CFQC1 3 SK 1085	1230	KDFW 4 TX 965
(Fort Wayne WINM-63)				1850	CFON1t 2 SK	1251	KENSt 5 TX
2012	WSEE 35 PA 410				CBQP2t 2 SK	tr 1715	WCCO 4 MN 280
	WQLN 54 PA 410			1915	CJFBt 5 SK		(Stronger)
	WJETt 24 PA			1920	unid channel 6		KTCat 2 MN
	WETGt 66 PA			2050	all gone	Es 1825	WCVBt 5 MA
	WOAC 67 OH 395	26 Es 0710			WLBZt 2 ME		WABIt 5 ME
2039	WSTR 64 OH 400				●CKLT1 3 NB 975	1830	WBZ 4 MA 830
	CBLN3t 64 ON				("Moncton" + clk)		WGBH 2 MA 830
	WCET 48 OH 400			0805	WGBHt 2 MA		WFSBt 3 CT
	WKON 52 KY 430				unids 2-3 south		WLBZt 2 ME
2100	WPBO 42 OH 455	tr 2134			WLKY 32(IN) 430		CKLT1t 3 NB
2158	WWAT 53 OH 405				WDRB 41(IN) 430	tr 2249	WCET 48 OH 400
	(Snow free)				WTVQ 36 KY 470		WSTR 64 OH 400
	WCVNt 54 KY				WKPC 15(IN) 430		WAFF 48 AL 675
2212	WKBN 27 OH 420	2143			WUSI 16 IL 390	31 tr 0543	WDRB 41(IN) 430
	WYTV 33 OH 420				WVUt 22 IN		W40AN 40 MI 95
24 tr 0359	WFMJ 21 OH 420			2146	WGRB 34 KY 515	0546	(Escanaba w/WTTW-11)
	(HSS)	27 tr 0540			WFIE 14(KY) 455	0548	%WTVQ 36 KY 470
Es 1110	WESht 2 FL				WDRB 41(IN) 430		@WKYT 27 KY 470
	WCBD 2 SC 900			0637	WHTN 39 TN 580		WBMGT 42 AL
	WWAYt 3 NC			2115	Lower MI LPTVs	0602	W30AL 30 IL 200
	WBTv 3 NC 710				(Very strong)		WAAyt 31 AL
25 Es 1730	WFSB 3 CT 760				W15AM 15 MI 130		WXIX 19(OH) 400
1738	WGBH 2 MA 830				(Grand Rapids LPTV)		WHNt 19 AL
	WLBZt 2 ME				(See Note # 9)		@WEVV 44(KY) 455
1747	WNBC 4 NY 730	2157			W40AK 40 MI 110	0614	@WFIE 14(KY) 455
	KYw t 3 PA				("40 News")	0628	WEUX 48 WI 190
1748	WTKRt 3 VA			2210	Iron Mtn 100	0638	unid ch 14 ssw
1820	WCBSt 2 NY	30 Es 1205			KDTN 2 TX 965	0641	WCET 48 OH 400
	WBZ t 4 MA				KBTX 3 TX 1065	0719	WUSI 16 IL 390
1832	CFSK 4 SK 1015				KMOL 4 TX 1200		

Note # 1 - Home Shopping Spree. Frazier Methodist Hour from 0700-0800.

Note # 2 - "NEWS WEST 9" at 1800 (KTPX).

Note # 3 - Local WFRV-5 off (a miracle??). A program promo in Spanish with the program schedule being shown. At 2100, news program with news from Oaxaca state.

Note # 4 - "TV 40 Birthday Club" promo.

Note # 5 - "KOTA Territory" in lower right corner of screen during local news show.

Note # 6 - "KRTV-3" in lower right corner of screen during local news show.

Note # 7 - (2046-2048). A grackle (bird) sat on my antenna and detuned it. I was watching E skip on channel 2 and it suddenly disappeared when the bird sat on one of the long active elements. The DX returned when the bird left. (I included this only because it is my first grackle report! fm)

Note # 8 - News from WSBT-22 at 2216.

Note # 9 - "Home Entertainment Network" carrying an episode of the "Real McCoys" (1960).

Frank Merrill, P.O. Box 669, Macomb IL 61455 (309-833-2661)

CDT

Equipment

ICOM R-7000 VHF-UHF receiver with video adapter and Zenith L1310C9 13 inch. VHF-UHF (Winegard 8100?) with Winegard PA-4975 preamplifier, RG-11, at 40'.

May 1993

23 Es 1047-1230 unids 2-4

24 Es 1240 @XEFE 2 TA 1025

1330 KUTV 2 UT 1125

24 Es 2250 XEFB 2 NL 1160

26 Es 1430 WGBH 2 MA 1010

1992 Summary - Number of days most common stations were seen:

Ch. 2 - WESH-FL 11/WPBT-FL 10/KNAZ-AZ and CKCK-SK 7

Ch. 3 - CFQC1-SK 8!!!!/WEDU-FL 7/KIDK-ID and KTVK-AZ 4

Ch. 4 - KDBC-TX 5/KGBT-TX and CITL-AT 4

Ch. 5 - KGWL-WY 4/WCVB-MA, XEJ-CH, and KSL-UT 3

Ch. 6 - WLNE-MA and KSRE-ND 2

In compiling the number of days that the most common stations were seen, I came up with some real surprises, especially CFQC1-3.

Jeff Kadet, Box 20, Macomb IL 61455 (W3CRH) (309-833-1809)

COT

Equipment:

ICOM R7000 with video adapter; Zenith L1310, N1310, Y1310 13" color sets; five 9" to 12" black & white Zeniths for E skip (all sets circa 1979-1982). Screened Channel Master 7' dish with UA-900 preamplifier, .500 aluminum hardline up 85'. Channel Master 1110 with PA-1975 preamplifier, .500 aluminum hardline up 80'. Winegard 5 element low-band yagi (vertically polarized) w/CP 3700 preamplifier, RG-11, up 10'. Finco 5 element 6 meter yagi (vertically polarized) with Belden 9913 up 25' (for channel 2).

May 1993			9 Es 1330	unid 6z Mexico (See Note # 2)	17 tr 0350-0515 Canada 57, 59,32,29
13 Es 1750	KSWK	3 KS 590		unid 5+ Mexico	0455 W67AL 67 OH 505
1815	CKCK	2 AB 960		KACB 3 TX 815	(Eastlake WVIZ-25)
1900	WPBT	2 FL 1165	1700 & Cuba	2 s/on	0515 WSYT 68 NY 765
15 tr 0830	W36AR	36 IN 200	1720 Cuba	6-	18 Es 0000
(Lafayette		TBN)	WPBT	2 FL 1165	unid ch 2 Mexico
21 Es 1602	CKSA	2 AB 1270	2015 KUAT	6 AZ 1240	1010 XEFB 2 NL 1160
2040	CBPC3	3 SK 1030	0210 W47BC	47 OH 360	KVOA 4 AZ 1240
CKKX	2 AB 1345		(Springfield	TBN)	1037 KIII 3 TX 970
CFCnt	4 AB		WKEF	22 OH 340	1826 KRGV 5 TX 1070
23 Es 2210	unid ch 2 SS se		(See Note # 3)		KGBT 4 TX 1070
25 Es 1100	CBFT	2 PQ 930	0924 K31BW	31 KS 325	unid ch 6 XHGC
1158	CCCA##	2 ON	(Manhattan	TBN)	20 Es 2255
27 tr 0137	WDSI	61 TN 465	(o/u WMBD)		unid ch 2 Mexico
WFLI	53(GA)	490	0928 K14HK	14 KS 455	(See Note # 5)
Huntsville 31,			(Great Bend	KSAS-24)	XHPN 3 CU 985
48 and 54			11 Es 0630	WUND	2 NC 835
0316 @W24BP	24 IL 175		12 Es 1250	WUNC	4 NC 700
(Flora	LPTV)		WUND	2 NC 835	
0324 & unid	492 res ese		WSAV	3 GA 780	1631 WJXT 4 FL 870
0347 W46AJ	46 TN 415		WWAY	3 NC 810	0009 K35CY 35 MN 340
(Cookeville	TBN)		WEDU	3 FL 995	(Minneapolis HSS)
(Over WHSL)			WCTV	6 GA 775	unid ch 53 MN
KTBO	14 OK 500		WCPX	6 FL 980	0115
28 tr 0000	W41BL	41 IL 140	15 Es 1230	unid ch 4 Mexico	unid ch 49
(Effingham	FAM)		1730 CKCK	2 SK 960	(K63DY CW ID)
29 Es	in & out all day		CFSS	3 SK 870	0251 K20AD 20 MN 335
2200	WCBD	2 SC 795	16 tr 0255	K20CT 20 AR	(Worthington KSTP- 5)
WSAV	3 GA 780		(Springdale	LPTV)	24 Es 0920
30 tr 0140	CBFLT10	48 ON465	(Keystone - ssw)		XEFB 2 NL 1160
Global 22, 29			Tulsa Us		XHPN 3 CU 985
Es 1912	KTVK	3 AZ 1275	Huntsville Us		1000 KMOL 4 TX 885
2000	KGBT	4 TX 1070	St. James MN Us		unid ch 4 Mexico
2017	KIII	3 TX 970	Austin MN Us		unid ch 6 Mexico
unids 2-4 Mexico			0348 K56Fdt	56 MO	25 Es 1127
			(Springfield	LPTV)	WESH 2 FL 955
			0415	unid ch 40 HSS s	WPBT 2 FL 1165
			0442 K31DV	31 MO 290	KIII 3 TX 970
			(Branson	LPTV)	1340 KMOL 4 TX 885
			(See Note # 4)		KENW 3 NM 860
			Es 1800	WPBT	2 FL 1165
			WSAV	3 GA 780	KDBC 4 TX 1065
			KMID	2 TX 865	KASA 2 NM 920
			WJXT	4 FL 870	1514 KWGN 2 CO 770
			KWAB	4 TX 825	26 tr 0509
			1830 KACB	3 TX 815	W48AV 48-MI 425
			1935 KRIS	6 TX 965	(Detroit FAM)
			WEDU	3 FL 995	W48AP 48+OH 375
			XET	6 NL 1160	(Toledo VJN)
			KRGV	5 TX 1070	0558 W69BT 69 IN 245
			2200 KIII	3 TX 970	(South Bend w/WGBA-28)
			unid ch 4 Mexico		(Normal WCIIU-26)
			2300 KMOL	4 TX 885	0607 W67AL 67 OH 505
			17 tr 0125	WKBS	47 PA 640
			0250 @WUHF	31 NY 695	Cincy to Wichita
			("FOX 31")		in well on UHF
			0350-0515 Canada 34,		2040 W67CO 67 AL 460
			40,45,41,22,42,		(Huntsville WTJP-60)
					2053 GA 14,36,46,63,
					69
					AL 19,25,31,42,
					48,21,54,60
					26 tr 2333 @WJSP 28 GA 620
					27 tr 0030 WCOV 20 AL 610

Jeff Kadet (continued)				3 Es 1515	WCBD 2 SC 795	11 Es 0930	WPBT 2 FL 1165
					unid chs 3,4 SS	12 Es 1648	KTVQ 2 MT 965
					(See Note # 8)		CFQC1 3 SK 1150
27 tr 0030	WTLK 14 GA 535			6 tr 0309	W44BF 44 WI 235		KXLF 4 MT 1155
	(See Note # 6)				(La Crosse TBN)		CITL 4 AB 1270
0105	unid channel 61			0332	W40AY 40 MI 390		CKSA 2 AB 1270
	(See Note # 7)				(Traverse City WGKI-33)	13 tr 0034	W46BX 46 OH 390
0247	W2SAI 25 OH 340			0415	W55AO 55 WI 375		(Toledo TBN)
(Cincinnati LPTV)					(DoorCounty w/WCFC-38)	0214	W48AP 48 OH 375
	("TV-25")				(Normal) WPNE-38)	0312	W62BE 62 OH 405
28 Es 1800	XEFB 2 NL 1160				(Best ever)		(Columbus MST)
29 Es 1315	MUF above ch 6			0426	W68BS 68 WI 305	15 Es 2205	XEFE 2 TA 1025
	KMID 2 TX 865				(Green Bay TBN)		KIII 3 TX 970
	unid ch 6 Mexico			0447	WGKU 45 MI 440	2221	XEFB 2 NL 1160
	*XET 6 NL 1160			0604	W69AV 69 MI 400	16 Es 0926	KNAZ 2 AZ 1195
1330	KDBC 4 TX 1065				(Leeland WCML- 6)	1300	*XEFE 2 TA 1025
1600	KNAZ 2 AZ 1195			Es 1102	WCBD 2 SC 795	17 Es 1700	KASA 2 NM 920
	KTWO 2 WY 825				WCIV 4 SC 800	18 Es 1700	WESH 2 FL 955
	KTVQ 2 MT 965				(See Note # 9)	19 Es 0915	XEFB 2 NL 1160
	KIDK 3 ID 1145				unid ch5 Spanish	1000	XHAE 5 CU 1195
2000	CKCK 2 SK 960				WCSC 5 SC 800		unid ch 3 XEW
	KMID 2 TX 865				unid ch6 Spanish	20 tr 0507	W48BD 48 KY 425
2137	KACV 2 TX 700				unid ch3 Spanish		(Corbin TBN)
2200	KENW 3 NM 860			1130	KGFE 2 ND 640		(See Note #11)
	KAMR 4 TX 705				unid ch2 Spanish	0513	W20AS 20 KY 425
	KPRC 2 TX 800						(Corbin FAM)
July 1993				1200	KXMA 2 ND 750	21 tr 0052	unid ch 30- HSS
1 Es 1015	WEDU 3 FL 995			1359	WFSB 3 CT 930		(Lexington hdx)
	WESH 2 FL 955				KENW 3 NM 860	Es 1430	WESH 2 FL 955
	WTVJ 4 FL 1165				KTVX 4 UT 1125		WPBT 2 FL 1165
	WPBT 2 FL 1165				WEDU 3 FL 995	22 tr 0225	OH xltres/LPTVs
1530	WKTV 2 NY 830				WTVJ 4 FL 1165	26 Es 1657	KASA 2 NM 920
1542	WCBS 2 NY 870				WJXT 4 FL 870	27 tr 0035	WPMC 54 TN 450
1709	KIII 3 TX 970				WPBT 2 FL 1165	0212	W27-- 27 ??
	KBTX 3 TX 745			7 Es 1215	WESH 2 FL 955		(Unknown MST)
	KRGV 5 TX 1070				KPRC 2 TX 800		(To southeast)
	KRIS 6 TX 965			8 Es 1800	(See Note #10)		W48BD 48 KY 425
1821	KOCT 6 NM 915				unid channel 4		W20AS 20 KY 425
	(KOAT-7 ID)				("Kansas-10")	0314	W68BP 68 OH 340
1940	KOB 4 NM 930			1830	KASA 2 NM 920		(Dayton TBN)
2000	unid ch 3 Mexico			1841	KTVQ 2 MT 965	0400	St. James good
	KASA 2 NM 920				CKCK 2 SK 960	0457	unid channel 48
2030	KSWK 3 KS 590				KCNC 4 CO 770		("Montreal")
	KOA 5 CO 755			1900	KREG 3 CO 885	0458	WMSY 52 VA 550
	KCNC 4 CO 770			1910	KWSE 4 ND 840	Es 1904	KNAZ 2 AZ 1195
	KMID 2 TX 865				CFQC1 3 SK 1150	28 tr 0300	K58DH 58 MO 145
3 Es 1115	WPBT 2 FL 1165				KWVC 4 WY 940		(St. Louis VJN)
	WEDU 3 FL 995			1957	KENW 3 NM 860		(See Note #12)
	WTVJ 4 FL 1165				KACV 2 TX 700	30 Es 1106	WESH 2 FL 955
	WESH 2 FL 955				KRMA 6 CO 770	31 tr 0326	unid channel 48
1415	WJXT 4 FL 870				KAMR 4 TX 705		("Montreal")
	WCPX 6 FL 980				KACB 3 TX 815	0400	unid ch 14+ HSS
	WPTV 5 FL 1130			2017	KDBC 4 TX 1065		(To se - WTLK?)
1515	WCIV 4 SC 800				KMID 2 TX 865	0450	@WLOS 13 NC 550
	WWAY 3 NC 810			2100	CKBI3 4 SK 1025		WVEU 69 GA 575
	WSAV 3 GA 780			2130	KNAZ 2 AZ 1195	0458	+WACHT 43 TN

Note # 1 - Worst video ever seen on a TV station. The cc1 it puts on other channel 41s looks like something never seen before. Sort of like overload interference. Still has same signal on August 2! Local advertisers include Bunnie's Berries, a bait shop, and a hypnotherapist.

Note # 2 - University course on agriculture.

Note # 3 - Demolishing 2 mile distant same offset WMEC.

Note # 4 - Seems to broadcast only local advertising and current events.

Note # 5 - Bullfight in Spanish. "deporty" in upper left.

Note # 6 - Showing a movie with frontal nudity!

Note # 7 - Video on 61 -- to St. Louis switching between Home Shopping and WWTO-35. Cannot conceive what this could be. (For that matter, on 02/08/91 a unIDed TBN was seen on channel 68, also coming from the direction of St. Louis and it has never been IDed. Suspect it had something to do with

Jeff Kadet (continued)

- the channel 18 which came on a few months later.)
- Note # 8 - Lots of interesting Spanish stations in on channel 4. Frank Merrill got the Dominican Republic on double hop E skip. After playing back my tape there appears to be three or four different Spanish stations in there. Tape being sent to Caesar Obijo with fingers crossed.
- Note # 9 - The conditions from 1100 to 1200 were a carbon copy of the double hop E skip conditions on July 3 from 1400-1530 with channel 4 still being the most interesting. Tapes from this session being sent to Caesar Obijo also. Tentative Puerto Rico and Dominican Republic loggings today.
- Note #10 - KPRC's logo and WESH's logo are almost identical and both stations are NBC and channel 2-. So far at least, it appears that KPRC's "2" is white and WESH's "2" is black.
- Note #11 - A TBN translator which actually keeps their ID on the screen all the time.
- Note #12 - Selling classified advertising in your own voice @ \$20/week.

Thanks to Tom Bryant and Doug Smith for a great convention! Was another Mexican seen here by tropo on 06/17/92? Joe Gragg who does a lot of work at northern Mexican TV stations mentioned that there is a channel 23 in Nueva Rosita about 75 miles southwest of logged channel 46 in Piedras Negras. There is still an unIDed channel 23+ from that opening which carried Univision. Stay tuned.

It's been ten years since moving to Macomb in July 1983. While it's interesting to see what has been logged from here, it is equally interesting to see what has NOT been logged. (Frank Merrill concurs with all of these).

By tropo: W67CH La Crosse, Wisconsin. I know this is on the air and it was logged once while still on channel 83, but I have sat on channel 67 for hours while channel 31 up there is pinning the meter, but all I ever get is W67AC. Ditto W62BH Hopkinsville, Kentucky. Channel 43 there can be barreling in, but I've never even seen traces of cci from them. Ed Phelps complains they overload his receiver. WKYU-24 Bowling Green, Kentucky, never even a trace. WDCN-8 - Frank has this, but I've spent hours trying to get it with no luck. Lack of Winnipeg on tropo. Probably the biggest surprise. Figured that in ten years there would be at least ONE opening up to there. Also, still need tropo from New Mexico and Wyoming. Lack of deep Florida tropo - other than a few weak openings into central Florida (WTGL-52, WMOD-43, WFTS-28, WOFL-35) there has been nada. Figured Tampa/St. Petersburg would have been more common here since part of the path is over water. WHNS-21 Asheville, North Carolina - forget it!

By E skip: KTVN-2. At 1535 miles and with a totally clear channel 2 here, this station has never been seen. WSB-2 at 575 miles is another one. I have channel 5 from Atlanta by E skip, but not them. WGRZ-2 is fairly common by E skip here, but WIVB-4 has never made it in. Double-hop E skip to Central America - Frank and I figured this stuff would be common, but neither of us have anything from there. Bill Eckberg has YSR-2. In fact, double hop is down right rare from here. Only KCRA-3 and perhaps a few Mexicans / Dominicans are the only double hop E skip ever seen. KCRA is usually seen at least once every E skip season. Wonder if its circular polarization helps with that? There are tons of West Coast lo-banders which have refused to double hop into Macomb including needed Oregon! 73.

(Jeff, could your channel 27 from the southeast with Main Street TV have been W27AN at Murfreesboro, Tennessee? At one time, it reportedly carried Channel America, but maybe it has changed? fm)

Doug Allen, P.O. Box 5646, Woodland Park CO 80866 (W2CRS) (719-687-3549)

MDT

Equipment:

Icom R-7000, 1981 Magnavox b&w TV, Antennacraft Y10-10 and 10G205C preamplifier at 25' and Channel Master 7' dish and BT CMA-Uc preamplifier at 28'.

June 1993

2 tr 0750 KSNG 11 KS 240
 0751 KUPK 13 KS 255
 0910 KSAS 24 KS 415
 6 tr 0659 K14HKT 14 KS
 (Great Bend KSAS-24)
 0940 KOKI 23 OK 555
 0955 KSAS 24 KS 415
 1005 KRSCt 35 OK
 22 tr 0915 K14-- 14 WY?
 (Unknown KTVS- 3)

22 tr 0920 K14-- 14 CO?
 (Unknown KMGH- 7)
 0927 KCIT 14 TX 305
 0936 K18AE 18 CO 140
 (Akron KUSA- 9)
 0939 K16AC 16 CO 140
 (Akron KCNC- 4)
 0945 K14AE 14 CO 140
 (Akron KWGN- 2)
 1000 K67-- 67 KS?
 (Unknown KBSL-10)

22 tr 1010 K67-- 67 CO?
 (Unknown KTVS- 3)
 27 tr 0615 KRNE 12 NE 310
 0630 KWCH 12 KS 400

July 1993

6 tr 0625 KXNE 19 NE 465
 0630 KGWC 14 WY 270
 0640 K14-- 14 WY?
 (Unknown KGWC-14)
 (See Note # 1)

Doug Allen (continued)	6 tr 0721	KPQCT 15 NE	10 tr 0520	KEVnt 7 SD
	0730	K61-- 61 WY?		(See Note # 4)
6 tr 0705	KPTM 42 NE 490	(See Note # 2)	0857	KUON 12 NE 480
0710	K61Ct 61 NE	10 tr 0510		(See Note # 5)
(Lincoln LPTV)	0515	KOLnt 10 NE	0904	KXNE 19 NE 465
(+offset - CBS?)		unid channel 12	0915	KBInt 32 IA
		(See Note # 3)		

Note # 1 - KGWC is minus offset. The translator was plus offset and peaked further east than KGWC.

Note # 2 - "You're watching TV-5, Wyoming's new leader."

Note # 3 - Zero offset - "Save the Kids" religious program which doesn't fit KRNE's PBS format. Peaked NE. (KTTM, Huron SD? fm)

Note # 4 - Home Shopping Club. Peaked north. Plus offset.

Note # 5 - "Nebraska Public Television." Peaked east, not toward Merriman. Minus offset.

Spent the last half of July in northern New York and at the great Nashville convention. Good to meet so many! With the weather patterns changing (hopefully) and the low pressure leaving the upper midwest to dry out, maybe we'll get some good late summer and autumn tropo. So far, it's been the worst tropo season in the five years I've been in Colorado. 73, Doug

(Doug, your unID translators are intriguing - baffling - particularly, all the channel 14s. The FCC database dated 05/29/93 shows only one 14 in Colorado and two 14s in Wyoming. The Colorado translator is K14AE which you have logged. The Wyoming translators are K14HH at Teton Village (430 miles from your QTH) and K14IL at Pinedale (375 miles). According to TV Factbook, both of the Wyoming translators translate KCWC (K14HH is owned by KCWC). The FCC shows no construction permits or pending applications for channel 14 in either state. Hope you can track these down! Also, the construction permit for KPQC-15 was cancelled on 06/30/92. fm)

Robert Delaney, RR#4 Box 385, Mt. Vernon IL 62864 (KA9UVY) (618-242-7256) CDT

Equipment:

1990 Zenith 13" color SS 1311W, Emerson 885 VCR. UHF ant: 7' parabolic CM 4251 @ 110' aql, UA 900 preamp, RG-11 coax. VHF ant: rotatable vertical dipole @ 25' aql for E skip, CM 3608 @ 55' aql. Camera: Pentax K 1000 with Kodak Gold Plus 200.

July 1993	18 tr 0602	K49CG 49 AR 310	25 tr 0538	0KFXX 51 TX 540	
3 Es 1400	WESH 2 FL 780	(Little Rock VJN)	0557	W54AP 54 IL 230	
1452	WTVJ 4 FL 990	20 tr 0302	W48APT 48 OH	(Blue Island LPTV)	
4 tr 0410	KTXA 21 TX 600	(Toledo VJN)	0618	KXLN 45 TX 710	
0420	0KRSC 35 OK 390	0453	WEO 49 OH 430	0631	KHTV 39 TX 710
0500	KDAF 33 TX 600	0546	WSBN 47 VA 355	0638	KNVO 48 TX 995
0501	KDTX 58 TX 600	0558	WKPI 22 KY 355	0654	KVDA 60 TX 820
0732	W69BT 69 IN 270	0635	W54Aft 54 OH	0712	0KMBH 60 TX 990
(South Bend WCIU-26)		(Bucyrus LPTV)	26 tr 0500	K65EK 65 AR 330	
0948	WTBU 69 IN 180	0728	WOAC 67 OH 435	(Pine Bluff ACT)	
5 tr 0405	WUAB 43 OH 435	0732	W50Bet 50 OH	(See Note)	
0446	WEO 49 OH 430	(Mansfield ANC)	0501	0KLRT 16 AR 315	
6 Es 1715	KPVI 6 ID 1285	22 Es 1930	WGBH 2 MA 970	0505	0KMSS 33 LA 480
1730	KIDK 3 ID 1285	24 tr 0657	W36AM 36 TN 225	0526	0KTXH 20 TX 710
1830	KREG 3 CO 995	(Memphis VJN)	0535	0KRIV 26 TX 710	
1853	WTVJ 4 FL 990	25 tr 0400	KLTJ 22 TX 720	0540	0KETH 14 TX 710
1900	KENW 3 NM 885	0401	KHSH 67 TX 710	0555	0KTHD 48 TX 710
1901	WPBT 2 FL 990	0416	KWKT 44 TX 680	0630	WNTZ 48 MS 490
8 tr 0330	WXON 20 MI 410	0417	KLAX 31 LA 510	0652	0WLLA 64 MI 345
0342	WKBD 50 MI 410	0421	KABB 29 TX 820	0700	W69BJ 69 MI 380
9 tr 0310	KDAF 33 TX 600	0428	KXAN 36 TX 750	(Lansing WAQP-49)	
0345	WNTZ 48 MS 490	0502	KHSX 49 TX 600	30 Es 1300	KTWO 2 WY 960
0700	KDTX 58 TX 600	0510	KMSS 33 LA 480	1501	KIDK 3 ID 1285
17 Es 1635	KIDK 3 ID 1285	0534	KETK 56 TX 560		

Note - "TV 65 Pine Bluff's Own." No call given.

I am very pleased with the 7' dish @ 110'. I am seeing many LPTVs that I only saw once in a great while often now. Also, the opening on the 25th netted me my furthest tropo catch ever with KNVO 48 being about 996 miles!!! 73 till next month. de Bob

Michael Parks, Route 1, Box 103, Amery WI 54001

CDT

Equipment:

Channel Master 1110 Quantum with Winegard PA-1375 preamplifier and RG-11U at 30', Channel Master 4228A with Winegard PA-4975 preamplifier and RG-11U at 35', Alliance HD-73-1 rotor, Channel Master 7206 Hi "Q" trap, and Zenith Z1920W 19" color TV.

May 1993

6 tr 0308	Chicago UHFs	12 Es 0006	unid channel 2+	6 Es 1044	KATC	3 LA 1062
	WNDU 16 IN 402	15 Es 1300	WLBT 3 MS 918	1051	KALBt	5 LA
	WSBT 22 IN 401	1505	KBTX 3 TX 1047	1052	WDSU	6 LA 1076
	WHME 46 IN 404	1528	KATC 3 LA 1062	1057	WWL t	4 LA
0319	WBSX 31 MI 462	1530	unid ch 3 PBS	1215	WBRZ	2 LA 1046
0321	W44BF 44 WI 120	16 Es 1755	KRTV 3 MT 915	1224	KIDK	3 ID 1012
	(La Crosse TBN)		(See Note # 2)			(Received off antenna back)
0324	WSJV 28 IN 402	1959	KENW 3 NM 1017	1228	WEAR	3(AL)1052
0339	WTLJ 54 MI 359	17 Es 1231	CFRN 3 AB 1086	1235	%WDIQt	2 AL
0341	WGTE 30 OH 513	2057	KRTV 3 MT 915	1254	KTVQ	2 MT 782
0342	WXMI 17 MI 384	2110	KLEW 3(WA)1191	1347	CFRN	3 AB 1086
	WLS 7 IL 336	2120	KMID 2 TX 1065	7 Es 2028	KPRC	2 TX 1109
0344	WPTA 21 IN 465	2130	KENW 3 NM 1017	8 Es 1322	CFAP	2 PQ 1010
	WLIO 35 OH 522	2137	WBRZ 2 LA 1046			unid ch 2 SRC
0346	K74CZ 74 MN 101		WLBT 3 MS 918	1352		unid ch 3 SRC
	(Winona KTTC-10)	2152	KFDX 3 TX 863	1401	CFRS	4 PQ 1032
	W67CH 67 WI 123	2210	KACB 3 TX 1049	1500	CFCL2	2 ON 631
	(La Crosse KTTC-10)		unid channel 6-			("MCTV")
0455	W43AV 43 WI 263	18 Es 1859	KIII 3 TX 1261	1751	KENW	3 NM 1017
	(Waukesha HSS)	1902	KRIST 6 TX	1759	KACV	2 TX 857
13 Es 2116	KLEW 3(WA)1191	2031	unid ch 4- NBC	1800	KACB	3 TX 1049
2303	KIDK 3 ID 1012	21 tr 0851	K30DK 30 NM 185	1806	KOCT	6 NM 1079
16 Es 1953	unid ch3 CBS/MDT		(Bemidji KMSP- 9)	1819	KJRH	2 OK 672
1958	CFQC1 3 SK 858	Es 1159	KMID 2 TX 1065	1822	KPRC	2 TX 1109
1959	KPVI 6 ID 1008	1558	KENW 3 NM 1017	1826	WEAR	3(AL)1052
2200	WDIQ 2 AL 1008	25 Es 1159	KATC 3 LA 1062	1857	WEDU	3 FL 1333
21 Es 1940	unid chs 2, 3	1307	WWL 4 LA 1078	1859	KMID	2 TX 1065
		1430	KBTX 3 TX 1047	1911	KATCt	3 LA
		1500	KMID 2 TX 1065			unid ch 2 PBS
			(See Note # 3)	1921	KENWt	3 NM
June 1993		1512	KENWt 3 NM	1931	KIII	3 TX 1261
2 Es 1905	KVBC 3 NV 1350	28 Es 1215	KPRC 2 TX 1109	2302	KRMA	6 CO 947
	unid ch3 Spanish	1229	KBTX 3 TX 1047	14 Es 1930	KREM	2 WA 1196
3 Es 1400	KMID 2 TX 1065	1246	%WDIQt 2 AL		KLEW	3(WA)1191
	KENW 3 NM 1017	29 Es 1957	KENW 3 NM 1017	30 Es 1430	KASA	2 NM 1024
	KAMR 4 TX 859	2058	KPRC 2 TX 1109			(ID -huge calls)
1415	KACVt 2 TX					
1424	KBTX 3 TX 1047					
9 Es 2108	KNAZt 2 AZ	July 1993				
	KBTX 3 TX 1047	1 Es 2000	KFDX 3 TX 863	August 1993		
	KAMR 4 TX 859	2015	KAUZt 6 TX	2 Es 2159	KENW	3 NM 1017
2122	KOCT 6 NM 1079	2100	KMID 2 TX 1065			
	(See Note # 1)	5 Es 2227	CKKX 2 AB 1081			

Note # 1 - It was stated in the December 1992 TV News column that KVIO-6 had been sold. Apparently the station is now a satellite of KOAT-7, Albuquerque, as I saw them air several KOAT-TV promos. Thus KVIO-TV remains an ABC affiliate. (I changed your loggings to reflect their new call letters - KOCT. fm)

Note # 2 - ID at 1800 showed a picture of a tower and transmitter shack with the words, "Support your local translator association!"

Note # 3 - IDed with translators K76AP, Big Lake, and K12FM, Fort Stockton.

This year's E skip season seemed to peak a couple weeks late. I was almost ready to call it a bust. All in all, I would say that this summer was better than last. However, on the tropo front, this summer is worse than last year - a complete bust. I saw more tropo last winter (and it was none too plentiful then!) During July, most of the unsettled, stormy weather moved several hundred miles to the south and has, for the most part, left this area high and dry. This, along with a belated increase in the number of warm, muggy days, led me to believe that the tropo would soon be arriving, but alas, nothing much materialized.

Michael Parks (continued)

DXers take note: WCCO-4 is now transmitting with a plus offset rather than zero. (This was necessitated by the vacant channel 4z assignment granted to Crandon, Wisconsin a few years ago.) I do not know exactly when the change took place. I had the opportunity to determine their offset with an AOR handheld scanner in early May, and they were +10 KHz at that time. Their new offset was verified on June 25 when they produced a zero beat against plus offset WWL-TV.

Further evidence that WLAX-25's satellite station, WEUX-48, is really a translator; it appears to receive its signal off air rather than via microwave relay. Any technical difficulties that WLAX transmits are perfunctorily repeated by WEUX. Weather watch symbols have been seen in the corner of the screen as well, despite the fact that the watch area affected La Crosse, but didn't come near Eau Claire. None of this occurs with WXOW-19/WQOW-18, another primary and satellite pair in the La Crosse/Eau Claire market. I find it especially annoying that WEUX seems to have no automated equipment for detecting the lack of WLAX's signal and shutting down appropriately. Even though WLAX goes silent after sign-off, WEUX stays on all night with a black screen and a tremendous hiss for audio. Additionally, there are absolutely no commercials for the Eau Claire area - just La Crosse. Since they apparently have no sales office in (or near) Eau Claire, I wonder if they even have a studio of any kind; the only mailing address given on air is that of WLAX's La Crosse studio.

Wireless cable is now available in this area. I have been receiving fliers in the mail trying to induce me to subscribe. But at \$39.99 a month for only 12 channels, I'll pass. I've noticed ads in electronics magazines for wireless cable receiving equipment. Has anyone tried DXing wireless cable stations yet? I wonder where a person could even get basic information on these stations, such as call letters, too or erp, transmitter location, etc. I have no idea where the system in this area is transmitting from. The flier gives only a phone number for a sales office to arrange an in-home demonstration. (Wireless cable is included in the Services volume of Television and Cable Factbook. I don't have the 1993 edition, so am unsure what serves your area. fm)

DXers fed up with today's generation of TVs and VCRs and their muting facilities might want to investigate the Sharp brand name. I don't know about their entire line, but the models I had the opportunity to try awhile back (one of each) were not too bad in the tuner department. Although the VCR's tuner could take up to two seconds to lock onto a weak signal, it easily rivaled my Zenith TV's tuner - especially on UHF, a common weak spot in VCR tuners. E skip can cause many VCRs to lose sync, but other than losing the color, this VCR had no problem taping interference plagued signals. Perhaps most importantly of all, both the TV and VCR had a switch to kill the dreaded blue screen. Sorry, but I don't know what the model numbers were. Until next time... 73, Mike

William Eckberg, 1032 Sterling Road, Dixon IL 61021

COT

Equipment:

1966 Zenith b&w receiver ch 14N22, modified UHF tuner. Rohn tower - Channel Master 1110 at 41'. Rohn crankup tower - Channel Master 7 foot dish at 52'. RDX Labs UA700 and UA900 preamplifier respectively. Jerrold CAC11 cable.

July 1993				2 Es 1415	XHRIO	2 TA 1201	8 Es 1900	KYUS	3 MT 853
1 Es 1805	KXAS	5 TX 757		3 Es 1605	WESH	2 FL 983	1910	KIDK	3 ID 1123
1810	KENS	5 TX 992		1815	KIII	3 TX 1072	1930	KOAA	5 CO 828
1820	KDFW	4 TX 738		5 Es 1655	ICRT	2 Cuba	1945	KSL	5 UT 1139
1825	KOCO	5 OK 578			ICRT	5 Cuba	2000	KXTX	5 TX 875
1905	KGWN	5 WY 785		1700	WPBT	2 FL 1229	2100	KWGN	2 CO 811
1930	KTWO	2 WY 849			WEDU	3 FL 1031	12 Es 1700	KIDK	3 ID 1123
	KOAA	5 CO 828		6 Es 1235	KFBF	5 MT 1112	1710	KTVQ	2 MT 968
2000	KENW	3 NM 912		1250	CKCK	2 SK 918	15 Es 1200	WUND	2 NC 797
	KACB	3 TX 803		1300	CFQC1	3 SK 1120	2100	KTWO	2 WY 849
2030	KASA	2 NM 972		1825	KIDK	3 ID 1123	17 Es 1530	KIDK	3 ID 1123
2200	KWGN	2 CO 811		1830	KUTV	2 UT 1139		KBCI	2 ID 1328
2 Es 1200	WPBT	2 FL 1229		1900	KACB	3 TX 933	30 Es 1430	KUTV	2 UT 1139
1303	ICRT	2 Cuba		8 Es 1900	KNME	5 NM 1026	1500	KIDK	3 ID 1123
1325	ICRT	5 Cuba			KTVQ	2 MT 968	31 tr 0435	WLOS	13 NC 558

Cuba is running patterns for hours in the afternoon on channels 2 and 5. I've logged their pattern ranging from 1303 to 1655 on July 2, 5, and August 5 with color bars in July and back to the Phillips in August.

I saw WLOS-13 the first time this year in July. My favorite test pattern is gone forever, replaced with color bars, ID, and QTH!

No UHF in operation yet after a lightning hit. I purchased a new rotor which has most of the features I've been looking for. It is the Yaesu G-400RC. It has compass dial.

William Eckberg (continued) north stop, adjustments for each end of rotation, and a very sturdy antenna motor with a 11 square foot wind load rating. It is reasonable at \$219 on sale. I haven't installed it yet, but it looks like a winner. I was going to purchase the Alliance HD73, but it was discontinued.

Frank Aden Jr., 4096 Marcia Place, Boise ID 83704 N7SOK

MDT

Equipment:

TVs: 27" Magnavox Color Monitor, 19" RCA color, 13" BMG color monitor. VCRs: Radio Shack MTS stereo, RCA mono. Antenna: Radio Shack ch 2-13 14 element on rotor at 22'.

This season has definitely been better than last year. I have spent more time with TV-DX than last year as I was not having to worry about working short skip on 10m for WAS. Two things to note: MUFs rarely went above channel 4 and many openings started after 2100 going past 0200, making it possible to ID a few stations on channels 2 and 4. KBCI-2 has been signing off between 0030 and 0130 and KAID-4 signs off around 0030.

I was on vacation during the last part of May and early June for ARRL in Seaside and also last week of June for IRCA in Billings, so no report for those periods.

Have been getting ready for ATV, will be soon buying a transmitter for 439.25. I have already obtained a downconverter for the 440 MHz band and my new TV covers the ATV portion of the band. I have built a skeleton slot beam for ATV and will be putting it on my new 32' tilt over tower which presently has my 2 element 10m beam and 2 element 2m quad.

For those hams in the club, I would be interested in starting a 10m net on Saturdays. I suggest around 28.440 at 20:00 UTC. I will give a few CQs on the frequency the next few Saturdays after this appears.

I will be running both VCRs again like last year for Perseids so wait for my next report!

May 1993				30 Es 0000	KENW	3 NM	970	13 Es 2100	KACB	3 TX	1190
22 tr 1440	KWVT	11 ID	110	0005	KDBC	4 TX	970	15 Es 2000	KLNE	3 NE	885
	(See Note # 1)			0115	KASA	2 NM	745		ACTVT	5 MO	
23 Es 1200	KSWK	3 KS	885	0130	KMID	2 TX	1095	2120	KYTV	3 MO	1295
26 Es 2000	KTVK	3 AZ	745					21 Es 0100	KUSD	2 SD	975
				July 1993				2100	KFDX	3 TX	1160
				1 Es 2200	KENW	3 NM	970	23 Es 2100	KMTV	3 NE	1040
9 Es 2100	KTVK	3 AZ	745	6 Es 2300	KSNW	3 KS	1055	24 Es 1825	KSNW	3 KS	1055
16 Es 2200	XHBC	3 BN	760	7 Es 2030	KFDX	3 TX	1160	27 Es 2100	KENW/KFDX/KSWK		
18 Es 2200	KSNW	3 KS	1055		KXAS	5 TX	1290	29 Es 2330	KSNW/KFDX		
21 Es 0000	KYTV	3 MO	1295	2100	KSWK	3 KS	885	30 ?? 0200	OKJRH	2 OK	1205
	0100	XEPMT	2 CH	2200	KENW	3 NM	970	(See Note # 2)			
29 Es 2030	KFDX	3 TX	1160	8 Es 2100	KTVK	3 AZ	745				
2130	KLNE	3 NE	885	13 Es 2000	KOCOT	5 OK					

Note # 1 - tr/gw - Finally seen here after four years, weak but readable. Using new TV receiver.

Note # 2 - Es/ms? - A couple of minutes of nice IDed color bars.

Fred McCormack, 2384 Teakwood Dr, Maplewood MN 55119-5520

CDT

Equipment:

General Electric 9" color (Model 09GP103). VHF: Rabbit ears. UHF: Archer Golden-U UHF Indoor Antenna (2 bow-ties).

May 1993				21 tr 0759	WKOW	27 WI	215	1 tr 0748	K26CL	26 MN	135
13 Es 2014	KLEW	3(WA)	1160	0830	WMSN	47 WI	215		(Alexandria	WCH)	
				June 1993				0801	K48AH	48 MN	100
8 tr 0245	KYOU	15 IA	275	August 1993					(Willmar	KMSP- 9)	
0625	K26AC	26 MN	200	1 tr 0737	KVRR	15(MN)	195	0804	K46AC	46 MN	100
(Bemidji	KVRR-15)				K34AF	34 MN	135		(Willmar	WCCO- 4)	
0759	K18AI	18 MN	165		(Alexandria	KVRR-15)		11 tr 0945	K26AC	26 MN	200
(Grand Rapids	KVRR-15)			0738	K36AA	36 MN	135	0952	K18AI	18 MN	165
11 tr 0857	KLJB	18(IL)	280		(Alexandria	KARE-11)		0953	K49CU	49 MN	155
0928	KJMH	26 IA	300		K38AC	38 MN	135		(Walker	KMSP- 9)	
21 tr 0750	WHA	21 WI	215		(Alexandria	KMSP- 9)		0955	CIC091	44 ON	340

This is all I have despite John Ebeling's much appreciated effort to keep me aware of E skip openings. I just couldn't ID the stuff! Still hoping for some 500 mile tropo.

SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

SEPTEMBER 1993

DEADLINE: 14th

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NV, OK, SC, TN, TX, UT & WV.

LOW PRESSURE BLAMED ON LACK OF TROP ON FRONT RANGE

Jeff Wolf, 1131 University Blvd. W., apt. 701, Silver Spring, MD 20902

Equipt.: Sears AM-FM-TV bank radio

7/3 Es

1552 KNTU 88.1 TX Denton

1621 KJEF 92.9 LA Jennings

Correction to my Aug. '93 VUD report: 6/13, WKID should read WKIK.

Doug Smith(W9WI), 14 Brookside Court, Nashville, TN 37209-4503

7/1 Es, tr

1800 94.5 KSKL KS Scott City, local ad 763

96.1 KGLL CO Greeley, "Front Range" 986

99.1 KUAD CO Windsor, remote in

Loveland 986

100.7 KGWY WY Gillette, "NE WY's Y-100"

91.5 KRNE NE Merriman, "...for NE

Public R." 880

93.3 KTCL CO Ft. Collins, legal ID

w/K276BJ 1003

97.5 unID "Q Country", prob. KQSK

1900 95.1 KSOY SD Deadwood, legal ID 1021

96.9 KAML WY Gillette, legal ID 1090

97.5 WWEZ TN Trenton, ads 111

1908 104.9 WFXO MS Iuka, ad 123

1910 106.7 WWDZ MS New Albany, ad 156

1918 94.5 WAPT AL Birmingham, "I-95" 176

1926 93.9 unID "Renegade R. 094", rp

1929 88.9 WKNA MS Senatobia, "WKNO Sts.", ID

7/3 tr k 82

1639 95.9 WCSO TN Livingston, "Sunny 95.9"

1654 94.9 WPCX GA Atlanta "Peach 94-9" 193

94.9 WKOR MS Columbus, ID 193

1706 98.3 WTNJ TN Pulaski, calls 67

More Es, more tr and a great opening during the convention! July was probably my best FM DX month in the 2½ years I've been in TN.

7/5 tr

1050 97.1 WFOX GA Gainesville, "Fox 97 FM" 210

1116 88.5 WJIE KY Okolona, calls 139

7/18 gw

1651 102.9 KEZS MO Cape Girardeau, "K-103",

local ads, local WYQ off. 167

7/25 Convention tropo (most between midnight

and 10 am. All newly logged.

89.9 WEVL TN Memphis 171

91.5 WUEV IN Evansville, calls 127

91.7 WBGL IL Champaign 127

92.5 KWYN AR Wynne 219

93.9 KOYN TX Paris 495

94.9 KOLL AR Maumelle 313

100.5 WYMG IL Jacksonvillle, calls 285

100.5 WTFX KY Louisville, "100.5 The Fox" 772

102.7 KCWS TX Merkel

103.1 WGBJ KY Henderson, (100kw WKDF

103.3 7 ml. away!) 117

105.3 KYNG TX Dallas, "Young Country 605

105.5 KTEI AR Piggott 176

105.7 KYKX TX Longview, "Kicks 105" 500

106.1 KSTV TX Stephenville, calls 684

106.1 KHKX TX Denton 605

106.5 KOOI TX Jacksonvillle, ad 541

106.5 KBVA AR Bella Vista, ad, calls 410

106.7 KCYT TX Granbury 670

Doug Allen, w2crs, PO Box 5646, Woodland Park, CO 80866

Equipt.: Onkyo T-4087 (IF modified)

6/17 Es

1949 WMEZ 94.1 FL Pensacola, ID

1953 WGCX 104.1 AL Atmore, ads & wx

1956 WKSJ 94.9 AL Mobile, k, "95-KSJ"

2002 WKUE 88.9 ?? Elizabethtown,

not in 13th ed. of FM Atlas.

2020 KRJY 96.3 MO St. Louis, wx

2025 WRBT 94.9 IL Mount Carmel, ID

2030 WFCJ 93.7 OH Miamisburg, ID

2031 WBGL 91.7 IL Champaign, "new light", ID

2035 WFOX 97.1 GA Gainesville, ads

2040 WRDN 95.9 WI Durand, ID

2042 WCNL 95.9 ?? not in Atlas, ID

2050 WTYL 97.7 MS Tylertown, ID

6/18 Es

0845 WMEZ 94.1 FL Pensacola, ID

0848 WEGS 91.7 FL Milton, "Swap Shop",

local towns

0852 WZEW 92.1 FL Fairhope, local ads

0855 WJDX 96.3 MS Jackson, "Jackson's

MIX-96"

0857 WBBN 95.9 MS Taylorsville, B96 & ads

0859 WSOR 90.9 FL Naples, ID, double hop

0900 WHIL 91.3 AL Mobile, ID

6/18 Es

0906 WLUN 95.3 MS Lumberton, "all

American country WLUN"

0908 WOTC 97.9 MS Wiggins, "New country US

98", ads, new CL?

0913 WBKN 92.1 MS Brookhaven, B-92, k

0953 KWRW 97.7 TX Rusk, ads

0959 KVLJ 91.3 TX Beaumont, ID

1000 KLDN 88.9 TX Lufkin, ID

1940 WGCX 104.1 TX Beaumont

1950 WOUH 103.1 FL DeFuniak, ads,

"LITE 103", new CL?

1952 WOWW 107.3 FL Pensacola, "WOW 107"

2000 KXRX 96.5 WA Seattle, ID

2000 KWCL 96.7 LA Oak Grove, ID

6/22 tr

0900 "KWBI" 88.1 CO?

7/1 Es

2111 WCIZ 100.9 OH Waverly, ads

2120 WNWV 107.3 OH Cleveland, ID

2121 WHME 103.1 IN South Bend, ads,

"the Harvest" station #1100

2130 WFCJ 93.7 OH Miamisburg, wx

2147 WAZU 102.9 OH Springfield, ID, r

cont...

7/1 Es
 2149 WKDD 96.5 OH Akron
 7/6 Es
 1812 WRBA 95.9 FL Springfield, ID
 1843 WCHY 94.1 GA Savannah, ID, "Y-94FM:
 1925 WERH 90.3 LA Baton Rouge, ID
 1935 WTKA 92.3 FL Orlando, talk show
 2003 KULF 94.1 TX Benham, ID
 2005 KACC 91.3 TX Alvin, ID
 2015 KULM 98.3 TX Columbus, Astros BB
 7/8 Es
 1030 WLAB 88.3 IN Fort Wayne, ID
 7/9 tr
 0703 KEZG 107.3 NE Lincoln, wx
 0752 KBBN 98.3 NE Broken Bow, ads
 0753 KNLV 103.9 NE Ord, ID
 0800 KKOT 93.5 NE Columbus, ID, NE #38

7/9 tr
 0804 KUCV 90.9 NE Lincoln, promo
 0805 KAWL 104.9 NE York, "KAWL & KTMX"
 0807 KKNB 104.1 NE Crete, ads, in KNAB null
 NE #39, Mike Hawk called saying he was
 receiving Co Springs! Over the telephone we
 confirmed for each other several Omaha
 stations and KDRO 95.1
 0900 KEZO 92.3 NE Omaha, ID
 1200 "KITL" 89.9 CO Canon City, xlator, CO #121
 7/11 tr
 0915 KKOT 93.5 NE Columbus, k, ID
 0917 WOW 94.1 NE Omaha, ID
 7/12 tr
 0530 K214AU 90.7 KS Sharon Springs,
 "High Plains Public Radio"
 7/30 tr

2215 KRTZT 98.7 CO Cortez, fading up occas.

Enjoyed visiting with every one in Nashville. It was a great conference, well organized and great tropo! Was out of state for two weeks in July, in northern New York and ten Nashville. From what I hear, I didn't miss Es or tropo while I was gone. With that damn low pressure east of here causing all the drain and flooding, tropo has been almost non-existent this summer, so far. The 500+ mile tropo to eastern NE have been the best, so far. Es has been about average overall with fewer high MUF openings than normal, but this is a very local phenomenon as areas only a few hundred miles away have had a half dozen or more 144 MHz openings through July. Hope everyone had a great summer.

Gus Mancuso, 5615 Inwood St, Cheverly, MD 20785 301 773-3072

6/18 Es 8/3 tr

2034 WWOZ 90.7 LA New Orleans
 2036 KJEF 92.9 LA Jennings
 (Didn't check between 1900 when there was
 no skip, & 2030, so I probably missed
 something.)

7/1 tr
 1830 W2?? 89.1 MD Hagerstown, from car in
 Forestville (other side of DC) simul w//WETA
 90.9. Morning tropo wead this summer
 despite searing heat & humidity. Must need
 evaporation of rain to help out.

0006 WXPX 88.5 PA PHILA, several locals off,
 so as not to interfere w/army elec. equip.
 looking for long lost WWI weapons that have
 been turning up during const. in west DC.

0916 WMGS 92.9 PA Wilkes-Barre, o/fog!
 0930 WWKL 94.9 PA Harrisburg, no sign of
 WJQI or WVPV
 0935 WRFY 102.5 PA Reading
 0938 WQXA 105.7 PA York, tough null on WQSR
 0950 WAFY 103.1 MD Middleton, w/WHVY & WCUL
 1000 WHFC 91.1 MD Bel Air, all Phila & NJ
 strong.

Recent article in Washington Post says you live a couple years longer if your mother
 born at sunset low point, and vice versa. (5/24/93)

STATION NEWS: WKHI 99.9 MD now k. WLWV 105.5 now o (early 60s & prior oldies.) Note:
 WMD 104.7 occasionally simul w/k format am, IDs as "the Bear". Oldies war, previously
 fought in Phil & Balt now squares off in DC WXTR 104.1 going head to head w/newcomer WBIG
 100.3. Must also compete w/rimshooters WMJS 92.7, WNAV 1430 and WINX 1600.

Steven C. Wiseblood, 6393 N. Dakota, Apt. #2, Brownsville, TX 78521

Equipt.: Denon TU-800, Radio Shack stacked 6-el yagi's at 22 feet.

7/14 tr ads 438
 0356 KDMX 102.9 TX Dallas, Mix 102.9, ads 473
 0358 KZEP 104.5 TX San Antonio, The Zep, cl r
 0359 KJNE 102.5 TX Hillsboro, ID, k 423
 0402 KMJQ 102.1 TX Houston, 102 JAMS, s 297
 0403 KONO 101.1 TX Fredericksburg, o 314
 0406 WRR 101.1 TX Dallas, c 473
 0408 KLUV 98.7 TX Dallas, o, K-love
 0416 KSCS 96.3 TX Fort Worth, k
 0417 KFGI 94.7 TX Luling, Froggie 94, o 262
 0419 KSRR 92.9 TX San Antonio, 92-FM, SS, pop
 0420 KCBI 90.9 TX Dallas, contemp g 473
 0428 KNNC 107.7 TX Austin, K-NAC, prog. r 302
 2102 KELI 98.7 TX San Angelo, K-LITE, a/c
 7/15 tr lite SS mx
 0206 XHNOE 91.3 TA Nuevo Laredo, "Stereo 91"
 0216 KZTQ 106.1 TX Laredo, TQ-106, o 166
 0216 KJBZ 92.7 TX Laredo, Tejano Z-93, SS mx
 0220 XHNILO 97.1 TA Nuevo Laredo, "Estereo
 Receurdo", SS mx
 0644 KSTV 105.7 TX Stephenville, Country 105
 0647 KELI 98.7 TX San Angelo, K-LITE, a/c mx
 7/17 tr
 1730 KKMY 104.5 TX Beaumont, "The Classics you
 love" 356
 1735 KIFA 92.5 TX Groves, contemp g 355
 1737 KVLU 91.3 TX Beaumont, lite g mx 356
 7/22 tr
 0734 KLUV 98.7 TX Dallas, K-LOVE, o, wx 473
 0745 KDMX 102.9 TX Dallas, Mix 102.9 a/c
 0752 KYXS 106.1 TX Denton, "KISS Copter Rush
 hour traffic" 473
 1840 KIOC 106.1 TX Orange, Power Hits K-106, r
 1859 KMKS 102.5 TX Bay City, "Bridging the gap
 between Houston and Corpus, a/c mx 233
 1901 KILT 100.3 TX Houston, d, ID 297
 1905 KHYS 98.5 TX Port Arthur, lite soul 353
 1910 KLDE 94.5 TX Houston, o, ID 297
 1916 KVLU 91.3 TX Beaumont, c, NPR promo 356

cont....

7/22 tr
 1917 KPVC 91.3 TX Prairie View,lt. s 302
 1919 K216BX 91.1 TX Lake Jackson, //89.3
 KSBH Houston, contemp. g 250
 1925 KBXG 97.9 TX Houston, soul-rap 297
 1928 KRTX 104.9 TX Halveston, r-a/c mx 287
 1944 KXTJ 107.9 TX Beaumont, "Houston's
 Favorite Tejano" 356
 1954 KLBV 106.9 TX Bloomington, "CLUB 106.9",
 tejano mx 194
 2002 KREE 104.1 TX Houston, alt. r, o/KRFM
 2322 KYKR 95.1 TX Port Arthur, K-95, k 353
 2324 KCSG 96.3 TX Fort Worth, k 473
 2329 KLUV 98.7 TX Dallas, "All oldies
 K-LOVE" 473
 2330 KLTD 98.9 TX Austin, "Z-ROCK, //
 106.9 Houston 473
 2331 KUEZ 99.1 TX Lufkin, o 411
 2346 KJZS 106.9 TX Conroe-Houston, Z-Rock,
 //106.9
 7/23 tr
 0605 KDMX 102.9 TX Dallas, Mix 102.9, a/c
 0606 KWHI 106.1 TX Brenham, K-TEX 106, k,ads
 0737 KBUS 101.9 TX Paris, K-BUS, ads 549
 0748 KOOI 106.5 TX Jacksonville, ads, EZ mx
 0751 KYXS 105.7 TX Dallas, KISS Traffic, wx
 0753 KYKX 105.7 TX Longview, k, ads, wx 486
 0755 KJCS 103.3 TX Nacogdoches, k
 1858 KIOCTX Orange, Power Hits K-106, r 366
 1930 KKYX 104.7 TX Bryan, Mix 104.7, a/c 336
 1940 KEYI 103.5 TX San Marcos, KEY 103, a/c
 "The Hits of the 80s and the Best of the 90s"
 7/24 tr
 0455 KLSA 90.7 LA Alexandria, s mx oldies
 //88.9 483
 0457 KLDN 88.9 TX Lufkin, Red River Radio,
 //90.7 411
 0505 KCBH 90.9 TX Dallas, g a/c mx 473
 0506 KNCT 91.3 TX Killeen, c 362
 0510 KKBQ 92.9 TX Pasadena, 93-Q Country 297
 0512 KSCS 96.3 TX Fort Worth, k 473
 0513 KLLI 95.9 TX Hooks, Thunder 95.9 558
 0521 KOOI 106.5 TX Jacksonville, EZ mx 440
 0527 KWRW 97.7 TX Rusk, The New CD 97.7 432
 0530 KUEZ 99.3 TX Lufkin, o, ads 411
 0531 WJMI 99.7 MS Jackson, s, ads 624
 0540 KTOY 104.7 AR Texarkana, "104.7 FM
 playing the hits", IDs 561
 0544 KYKS 105.1 TX Lufkin, ads, k 411
 0545 KYKX 105.7 TX Longview, k 486
 0550 KJCS 103.3 TX Nacogdoches, k 430
 0552 KTBQ 107.7 TX Nacogdoches, a/c 430
 0635 KZPS 92.5 TX Dallas 473
 0729 KYXS 106.1 TX Denton-Dallas, KISS-FM, r
 7/24 tr cont. from a condo overlooking the
 gulf at South Padre Island beach.
 2007 KAJN 102.9 LA Crowley, "Louisiana's
 Gospel Station" 473
 2014 KMTQ 102.1 TX Houston, "102 JAMS", s
 2019 KMY 104.5 TX Orange, o, 366
 2020 KIOC 106.1 TX Beaumont, Power Hits 106
 7/25 tr
 0700 KITP 93.7 LA Shreveport, Sunday
 morning gospel mx 509
 0712 WYCT 94.1 LA Kentwood, "Young Country",
 ads, wx 549
 0718 KOLL 94.9 AR Maumelle, Goodtime Oldies
 0719 KQID 93.1 LA Alexander, 93-QID, r-a/c
 1026 KITS 94.7 MO Springfield, ID, "McDonalds
 Country Countdown", ads 821

7/25 tr 821
 1032 KKHT 98.7 MO Springfield, The Heart, a/c
 1041 KXUS 97.3 MO Springfield, "US-97, The
 Home of Ozarks rock & roll"
 1046 KKVR 92.5 TX Texarkana, Kicker 102.5, k
 1048 KIES 99.7 TX unID, "FM-100", promo for
 "Wheel of Hope"
 1050 KOLL 94.9 AR Maumelle, "Cool-95", o 684
 1100 KKBI 106.1 OK Broken Bow, "Best Country
 106", ID 586
 1101 KBSY 107.3 OK Poteau, ads, "Sunny 107.3"
 1423 KAJN 102.9 LA Crowley, 432
 1444 KROF 105.1 LA Abbeville 432
 1456 WJMI 99.7 MS Jackson, s 624
 1457 WJDX 96.3 MS Jackson, MIX 96.3
 1523 KITD 99.9 LA Lafayette, ID, a/c 624
 1532 KBEL 107.7 LA Lafayette
 1602 WCKW 92.3 LA New Orleans, class r 531
 1606 YAGT 97.5 TX Beaumont, k 356
 1918 KHLA 99.5 LA Lake Charles, LA-99, o 397
 1923 WIGE 100.7 LA Baton Rouge, r, The Tiger
 1925 KITQ 100.9 LA Sulphur, wx, ads 391
 2242 KAPB 98.7 LA Alexandria 783
 2258 KLLI 95.9 TX Hooks, Thunder 95.9 558
 2311 K259--99.7 TX Sugarland, rep. of KSBH
 2320 KYKS 105.1 TX Lufkin, KICKS 105, k 411
 2328 KISX 107.3 TX Tyler, "W. TX New Mix
 107.3" 465
 7/26 tr 411
 0258 KLDN 88.9 TX Lufkin, Red River Radio
 0300 KCBH 90.9 TX Dallas, Sunshine Radio
 0313 KWRW 97.7 TX Rusk, "CD 97.7", o 432
 0321 KMKL 97.3 LA Kaplan, k, ID 426
 0326 KOOV 103.1 TX Coperas Cove, k, ID 362
 2212 XHTP 90.9 TA Tampico, "R. Tamualipas,
 //92.3 255
 2221 XHPP 93.5 TA Tampico, "La Aguasteca"
 ranchera-cumbia mx, ment of 30 kw/24 hrs
 2249 XH-- 103.1 TA Tampico, "Estereo
 Recuerdo", TC musica romantica, musica pop
 7/27 tr
 0535 XHMK 99.3 TA Nuivo Laredo, cumbia
 ranchera mx 166
 0542 KZTQ 106.1 TX Laredo, o 166
 0552 KEAN 105.1 TX Abilene, wx, k 472
 7/28 tr
 2017 KWCB 89.7 TX Floresvilole, tefano-
 cumbia mx, ID, wx
 8/1 Es
 2120-2140 unIDs 907 Jap. mx, 91.1 prnm for
 bible school in Tampa, 90.9 EZ, 90.5 g
 2129 unID 89.9 Spanish Caribbean style mx
 2139 WQZY 95.9 GA Dublin, "The CD Hour", k
 8/3 tr
 0453 KPEZ 102.3 TX Austin, Z102 302
 0453 KJNE 102.5 TX Hillsboro, ads, wx, k, ID
 0459 KDMX 102.9 TX Dallas, MIX 102.9, a/c
 0500 KPLE 104.3 TX Temple, k 359
 0502 KYXS 106.1 TX Denton, r 506
 0508 KNNC 107.7 TX Austin, The Knack, r 302
 0513 KHHT 93.3 TX Killeen, "Texas Hot
 Country", k 362
 0517 KNLE 88.1 TX Round Rock, promo 362
 0711 KELI 98.7 TX San Angelo, "98.7 K-LITE"
 8/4 tr 302
 0608 KNNC 107.7 TX Austin, K-NACK, alt. r
 0609 KOOI 106.5 TX Jacksonville, EZ Mor 440
 0619 KYDS 105.7 TX Longview, k 486
 0621 KISX 107.3 TX Whitehouse-Tyler, r-a/c
 0622 KYOT 106.7 TX Granbury, j
 0623 KITX 106.1 TX Brenham, K-TEX 106, k, wx
 Steve's massive report to be cont. next month.

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 14221
e-mail: coniglio@acsu.buffalo.edu

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada

SEPTEMBER 1993 DEADLINE: The 5th LOG CUTOFF: 3 months from postmark

There were quite a few days with FM skip in July. However, no real "monster" openings occurred; many openings, although strong, were spotty and short lived. Most of the activity was the first week of July, especially the 3rd and 6th. Near the end of July and the start of August there has been some sign of skip picking up again, though it may be too little too late. Not much tropo to report at all, although there was a major tropo opening during the Nashville convention. Perhaps there will be reports in Southern FM of this opening. Let's hear from you this month!

SAUL CHERNOS - 57 BERKELEY STREET - TORONTO, ONTARIO M5A 2W5 (416) 364-0725

JULY 1993 DX

1 Es (Toronto-Mississauga suburb)

- 1249 WKPX 88.5 FL Sunrise
- 1250 WMMZ 90.7 FL Ocala
- 1257 WJYO 91.5 FL Ft. Myers, Joy FM 91.5
- 1300 WMFE 90.7 FL Orlando, c
- 1304 WKRY 93.5 FL Key West, Key 93
- 1347 WQIK 99.1 FL Jacksonville, your hot

- country hit-kicker FM 99 WQIK
- 1350 WXKB 103.7 FL Cape Coral
- 1400 WAPE 95.1 FL Jacksonville, calls
- 1402 WLPT 88.3 GA Jesup
- 1402 WTLG 88.3 FL Starke
- 1412 WMNF 88.5 FL Tampa, latin and jazz
- 1419 WNFB 94.3 FL Lake City, B-94

3 Es (Burnt River)

- 1603 WMPN 91.3 MS Jackson
- 1615 WRKF 89.3 LA Baton Rouge
- 1619 KXKC 99.1 LA New Iberia, ex 99.1
Hot Country 99.1
- 1640 WTYX 94.7 MS Jackson, Oldies 94.7
- 1647 KSMB 94.5 LA Lafayette
- 1724 WYMX 99.1 MS Greenwood
- 1727 KDEA 93.7 LA New Iberia, ex 99.1
- 1835 KJIW 94.5 AR Helena, k
- 1837 KIPR 92.3 AR Pine Bluff, Power
- 1843 KAMS 95.1 AR Mammoth Springs, ex 100.9
K-Country-95

- 1850 KKLR 94.5 MO Poplar Bluff
- 1851 KTCS 99.9 AR Fort Smith
- 1851 WHKX 99.9 FL Lafayette, Kix 99.9, k
- 1853 KQUS 97.5 AR Hot Springs
- 1855 WBGM 98.9 FL Tallahassee, calls
- 1859 WKNB 94.5 FL Port St. Joe, B-94.5
- 1904 KBBQ 100.7 AR Fort Smith, ex 100.9
- 1906 KTTS 94.7 MO Springfield, Ozark's
Country Weekend
- 1922 WMPR 90.1 MS Jackson

3 Tr (BR)

- 1814 WQLN 91.3 PA Erie, see comments

6 Es (Toronto-east side of city)

- 1220 QUAD 99.1 CO Windsor, Colorado's
country favourites K-99

6 Tr (Toronto-east city limits)

- 1253 WFRA 99.3 PA Franklin, Mix 99.3 FM
- 1259 WAXF 95.9 PA Sharpsville

10 Tr (Toronto-Scarborough bluffs)

- 2318 WDNY 93.9 NY Dansville, Yankees BB
- 11 Tr (Scarborough Bluffs)
- 0839 WZV 99.7 NY Palmyra, g
- 0908 WBEE 92.5 NY Rochester, with CISS on
the air! See comments

12 Es (Toronto-Markham, Richmond Hill)

- 2030 to 2050 spotty Es: 90.7 j, 90.7, 88.7 c, 99.1
k, 99.3 k, 93.3 k, spotty weak, maybe on 100.3

17 Tr (Toronto-downtown)

- 1050 CIEX 106.3 ON Toronto, Molson Indy
- 22 Tr (Toronto-3 Buffalo's off)
- 0212 WBZZ 93.7 PA Pittsburgh, B94, dance
- 0235 WFRG 96.1 NY Rome, 96 Frog, k
- 0252 QJXK 106.5 ON Owen Sound, rm
- 23 Tr (Same circumstances as the 22nd)

- 0103 WWKS 106.7 PA Beaver Falls
- 0109 WLIF 106.5 OH Cleveland
- 0110 WBZZ 93.7 PA Pittsburgh, B94, dance
- 23 Tr (BR)
- 2030 CBCO 91.5 ON Orillia, back on,
- 2030 CB** 94.3 ON Huntsville, new to air
see comments on these

24 Es (BR)

- 1221 KJZY 99.1 TX Denton
- 1223 KCTI 97.7 AR Yellville
- 1225 KPLX 99.5 TX Fort Worth, K-Plex
- 1230 KDXX 88.1 MO St. Louis
- 1237 KMAG 99.1 AR Fort Smith, k
- 1240 KCKI 99.5 OK Henryetta, Kick 99

24 Tr (BR)

- 2331 WFMK 99.1 MI E. Lansing, Lite Rock 99
- 2347 WMXD 92.3 MI Detroit, Mix 92.3
- 2353 WCEN 94.5 MI Mt. Pleasant, k
- 2357 WNWV 107.3 OH Elyria

25 Tr (BR)

- 0011 WBCT 93.7 MI Grand Rapids, B93
- 0032 WVKS 92.5 OH Toledo, r and dance
music, see notes
- 0253 WBZZ 93.7 PA Pittsburgh, r, B94
- 0316 WUGN 99.7 MI Midland, g
- 0327 WHBC 94.1 OH Canton, HBC-FM
- 0405 WGRY 101.1 MI Roscombing, k

SAUL'S COMMENTS ARE ON
..THE NEXT PAGE..

SAUL CHERNOS' comments (DX on previous page)

I had Spanish program // 91.3 on 91.5 and 91.7. Greg says it was WQLN splashing over or something (yep, they have been putting out signals on those freqs. and 91.1 and 90.9 as well, since at least May. They fooled me that day too!-gc). Had it/them on car radio during an Es lull. Do they count as separate stations? (I don't know what club rules are for something like that?-gc). July 11 atop Scarborough Bluffs in east Toronto, WBEE Rochester in so strong that it over-rode local CISS on 92.5 in one area. 99.7 Palmyra NY also held its own despite CKFM 99.9. Speaking of CISS, July 25, had dance music on 92.5 and "Kiss 92.5" slogan. Toronto's new country FM, CISS, has same slogan. Turned out to be Toledo! July 17 weekend, a station broadcast the Molson Indy car races. In previous years it has been CIEG on 91.9. This year 106.3 and so weak some local DXers didn't get it. July 23, CBC relay on 91.5 & 94.3 // 105.9. 105.9 and 107.5 to be replaced by 91.5 this September, with commercial AMers going to FM. Will report full details next month. 94.3 is a new relay in Huntsville. Both seemed to sign on late in the day, so I suspect still prepping. 91.5 tested a few years ago but signal was poor and the switch wasn't made. This time it seems stronger, I logged it in Toronto. Sounds like Nashville was a Texan blast; sounds like the event was well put together and wish I could have gone. On with the fall tropo!

73's Saul

BILL NIENAJADLY (KF2OK) - PO BOX 2999 - CLIFTON, NEW JERSEY 07015

Equipment: Fisher FM 889 tuner, 2 110 khz filters, 6 element antenna

JUNE 1993 DX12 Es (finally!)

- 1223 WCTQ 92.1 FL Venice, Es pest yearly!
 1225 {WIKX} 92.9 FL Punta Gorda, ex WQLM
 1238 WYUU 92.5 FL Safety Harbor, burnouts
 1246 WMTX 95.7 FL Clearwater, Mix 96 yawn
 1253 WXCX 95.3 FL Homosassa (hmmm, something new for a change!)
- 1300 WMFQ 92.9 FL Ocala, Q-Lite
 1313 WRKX 96.1 FL Bonita Springs, 96 K Rock
 1321 WDDQ 92.1 GA Adel, "Truckstop, exit 10, Adel" all adds
 1331 WRLX 92.1 FL W.Palm Beach, Relax 92.1
 1337 WEOW 92.5 FL Key West. Wow 92.5 and Future hits Program
 1350 WZEW 92.1 AL Fairhope, 92 Zoo, zzzzzz
 1405 WLUN 95.3 MS Lumberton, legal ID
 1409 WDJC 93.7 AL Birmingham
 1420 WJMI 99.7 MS Jackson
 1433 WPCF 100.1 FL Panama City Bch, local
 1436 WOOF 99.7 AL Dothan, Woof, snore, yawn!
 1500 KCMA 92.1 OK Broken Arrow
 1523 KXLS 99.7 OK Alva

14 Tr (very strong)

- 2302 WEHN 96.7 NY E.Hampton, full scale
 2304 WBLQ 99.3 RI Block Islands, full scale
 2314 WCTK 98.1 MA N.Bedford, full scale
 2315 WJFD 97.3 MA N.Bedford, Portuguese
 2315 WXTK 94.9 MA W.Yarmouth, full scale!
 2320 many New England and Long Island full scale

22 Es

- 1737 WTUG 92.9 AL Tuscaloosa
 1743 WRQO 102.1 MS Monticello, Q102, MS wx
 1755 WTYJ 97.7 MS Fayette, WTYJ/WMIS nx
 1759 WJMI 99.7 MS Jackson
 1808 WBKN 92.1 MS Brookhaven

- 1832 KZOC 92.9 KS Osage City
 1846 KTGL 92.9 NE Beatrice
 1852 KEFM 96.1 NE Omaha, (zzzz, yawn snore), hi-Mike?
 1914 KMOE 92.1 MO Butler, ments of St.Louis Cardinals ball game later on
 1930 KICT 95.1 KS Wichita

24 Es

- 1400 MUF to FM 94.5, 1430 approx, no IDs
 1732 WBKN 92.1 MS Brookhaven
 1742 WDLJ 96.9 MS Indianola
 1900 WJMG 92.1 MS Hattiesburg
 1906 WBLX 92.9 AL Mobile
 1907 WVFJ 93.3 GA Manchester, Christian mx
 1910 WXUS 100.5 AL Fort Rucker, US100, k
 1913 WKCN 99.3 GA Lumpkin, Kissing Country
 1915 WXDJ 95.7 FL Homestead, se habla Español
 1920 WRJM 93.7 GA Geneva
 1922 WLUN 95.3 MS Lumberton, 3rd time heard this season
 2015 WLRQ 99.3 FL Cocoa, Brevard County lame music, yawn zzzzz

JULY 1993 DX3 Es

- 1750 WJXR 92.1 FL Maccleny, home shopping
 1755 WDDQ 92.1 GA Adel, exit 10 Adel
 1830 KZOC 92.9 KS Osage City
 1840 KYEZ 93.7 KS Salina
 1847 KJNA 99.3 LA Jena
 1850 KRVV 100.1 LA Bastrop, burnout city!



P.O. BOX 5398, GAINESVILLE, FL 32602

BILL NIENAJADLY's report continues...

JULY 1993 DX

- 5 Es
 1821 WQUE 93.3 LA New Orleans
 1822 WZEW 92.1 AL Fairhope
 6 Es
 1848 KSD 93.7MO St.Louis
 2030 strong tropo to the east
 12 Es
 1842 KYKX 105.7 TX Longview, (song-case of
 beer fell off my pickup truck now I'm
 cryin + drinkin) hi hi
 1848 KSYN 92.5MO Joplin, ment nearby areas
 1850 KFXI 92.1OK Marlow, local mentions
 24 Es
 1205 KRLS 92.1 IA Knoxville, or Nocksvill?
 1210 KTGL 92.9NE Beatrice, Eagle
 1213 KIOA 93.3 IA Des Moines, oldies,
 talking about Des Moines water works
 1223 KRNA 94.1 IA Iowa City/Cedar Rapids
 all Iowa Fair Durham Downs, local ments

WORTH REPEATING

Extracted from an editorial in
 the Sun Times, Owen Sound.

Radio Fugue FM in Com-
 pigne, France, plans this sum-
 mer to broadcast a special
 sound wave for mosquitoes.

The station intends to broad-
 cast an ultrasound inaudible to
 humans at the frequency emit-
 ted by male mosquitoes, to keep
 the females away. The signal
 will create "a bubble with a ra-
 dius of four metres around the
 radio free of biting mosquitoes,"
 Fugue claims.

The prospect seems attrac-
 tive. Perhaps we should be
 soaking the newspaper in citro-
 nella.

4.
 Saul
 Chernos

TORONTO STAR

Much E-skip, but much of it was short lived with many of the openings a half hour or less to minutes at best. I did note MUF to 107.9 twice but none of it lasted long enough to ID it. After a horrible spring, I'm glad it came back. No blockbuster trop though. A few Boston, Providence, New Bedford stuff, but no deep North Carolina Stuff. July 30th 1993 I passed my Extra Class Ham Radio License with a long time dream realized (Congratulations Bill!-gc). What next? Maybe a First Class radio telephone or a commercial liscence someday where I could work on commerical radio and TV transmitters, hmmm. Well anyway, goodxing!

Bill KF20K/AE

RICHARD CONTONE - 162-07 87th STREET - JAMAICA, NEW YORK 11414

MAY 1993 DX

- 31 Tr
 1442 WDRE 92.7 NY Garden City, \$-stereo 13



JULY 1993 DX

- 13 Tr
 1700 WHTG 106.3 NJ Eatonton, not much 25
 23 Tr
 2125 WJLK 94.3 NJ Asbury Park, this station
 IDs with WQNJ 98.5 Ocean Acres, NJ. I
 wrote a reception report but still in mail 29

WDRE IDs with a WI- in Philadelphia. A contemporary hard-rock station station (L dislike it, but want the one in Philly. Possibly with WIOQ 102.1 but FM Atlas says "slow rock". (It is WIBF 103.9 Jenkintown/Philly that they are parallel to: WIOQ is "Q102" and dance music. On July 6 I received a WEHM which advertises as "East-end radio". I found that it orginated from Eastern Long Island, NY, which I call Suffolk County. From me to Suffolk Co. border is 35 miles by car, butit was interesting that is came over WKHL Stamford, CT on 96.7. I always get WKHL "Cool FM" because of its power, so this WEHM was rare. No list in the FM Atlas on 96.7, I guess coming from the Hamptons (yep, E.Hampton, it is a new station-gc). Looking for it under WKHL. Another: A WJUX-FM 103.1. I think that it is coming from a transmitter in Wayne, NJ using a transmitter that once was on the educational band on 88.7 Mhz. FM Atlas lists as WPSC. Call themselves "Jukebox Radio". Get them under WBZO 103.1 Bay Shore. They serve Hackensack, NJ, which is 20 miles from me. Note: I just equipped myself with a bandstop filter for VHF-HI TV attenuation for FM reception. I built it from a filter design using LC traps. Club for 7-23 log, I switched to MW longwire antenna from all band TV used dual amplifier - perfect!

73, Richard Contone

DAVE NIEMAN-12284 NICE ROAD-AKRON, NEW YORK 14001-9529

Equipment: Carver TX-11a tuner, Channel Master Stereo Probe 9 at 36 feet AGI on crankup tower, (826 feet ASL). Alliance HD-73 rotor and RG-11 coax.

New loggings are underlined. New call (K K K K). New propagation mode WWW.

JULY 1993 DX

1 Eskip
1334 WKGR 98.7 FL Fort Pierce, "The Gator 98.7", rs 1099
1340 WRBQ 104.7 FL Tampa, "The Q-105", KS 1061
1350 WJLF 91.7 FL Gainesville, call + "Love 91", gs 94J

JULY 1993 DX

6 Eskip
1200 KCLV 99.1 NM Clovis, call, KS 1448
1218 KCSU 90.5 CO Fort Collins, call, rps 1374
1300 KSEC 93.3 CO Lamar, call + "KC-93", KS 1304



Wow!! after looking at Greg Coniglios report and others in the August VUD: I did miss some good DX in June. What I didn't miss was one of the best and biggest WTFDA conventions in years. Hosts Doug Smith and Tom Bryant must have spent every waking hour for months planning it. Everything ran smoothly: the hotel staff were warned about DXers and what they might see coming thru their lobby (antennas & electronics gear). I thought the hotel staff would think we were CIA setting up a surveillance of Nashville and the surrounding area or a sting operation. DX from the hotels 9th (top) floor was better than I imagined. The FM band was loaded with stations and not all local. Loggings of 300+ miles were common; and the view from downtown was spectacular. Glad I didn't miss this convention. Thanks Tom, Doug you both did a great job and thank to all Nashville area broadcast stations, Opryland USA & businesses for your contributions to the 1993 WTFDA Nashville Convention goodie bag. Tom, Doug; how about 1994; see you both in Nashville again?? Ha! Dave

DAVE NIEMAN - HO STA GEH - ROAD-ROCK CITY, NEW YORK

Equipment: Carver TX-11 tuner IF filter modified. Antennacraft FM-10, at 25 feet AGI (2415 feet ASL). Winegard FT-7600 variable FM trap for 95.7 MHz, RG-6 coax and Radio Shack rotor. New loggings are underlined. New call (K K K K). New propagation mode WWW.

JULY 1993 DX

3 Eskip
1523 WMCU 89.7 FL Miami, call, S 1144
1529 KQID 93.1 LA Alexandria, "93-QID", rs 1042
1544 WPOW 96.5 FL Miami, "power-96", rs 1147
1600 KTRU 91.7 TX Houston, ID, JS 1268
1600 KPFT 90.1 TX Houston, ID, IS SS 1263
1606 KRTS 92.1 TX Seabrook, "Houston's fine arts station", CS 1259
1613 KLOL 101.1 TX Houston, "Houston's #1" + call, rps 1279
1656 KERA 90.1 TX Dallas-Ft. Worth/Denton, ID, CS 1202
1755 WXXB 103.7 FL Cape Coral, "B-103", rs 1067
1857 WKGC 90.7 FL Panama City, call, es 912
1906 KLLC 88.5 MO Kansas City, call, gs 863

4 tropo
0835 W214AA 90.7 NY Corning, "WSKG" 89.3, CS 71
5 tropo
0720 WRTI 90.1 PA Philadelphia, "Jazz-90", JS 217
0729 WBBG 93.3 OH Youngstown, call, OS over WUSE Jamestown, NY 130
0731 WQZS 93.3 PA Meyersdale, The all new "QZ-93", rps, over WUSE Jamestown, NY 157
0741 WELK 94.7 WV Elkins, lcl wx + "K-95-FM", rms 225
0804 WPRR 100.1 PA Altoona, call, rs over lcl WBRR Bradford, PA 105
0814 WYSN 101.7 PA Central City, "Sunny 101.7", ms 133
0843 WALY 103.9 PA Bellwood, "Wally 104", OS over WLMi Kane, PA 100
0935 WGTY 107.7 PA Gettysburg, "Country-108" GTY, KS, over WNUC Wethersfield, NY 169
1037 WCBS 101.1 NY New York, New Yorks oldies station "CBS-FM", OS 248
17 tropo
0312 WXLK 92.3 VA Roanoke, "K-92", rs 344
0847 WJPA 95.3 PA Washington, call, OS 156
26 tropo & scatter
1343 CBQO 94.3 ON Orillia, tMono CBC radio /105.9 Orillia 185

JULY 26 tropo & scatter continued

1416 WCIZ 97.5 NY Watertown, "CIZ-FM", rs over WKYN St. Marys PA 188
1539 WSKQ 97.9 NY New York, SS, LS 248
1658 WDAC 94.5 PA Lancaster, call, GS over WNEB Buffalo NY 187
1838 WHUR 96.3 DC Washington, call, S phone in talk show 224
July 29th, I replaced Antennacraft FM 10 with Channel Master model 4408 "Stereo Probe 9".
29 troposcatter
1827 WPST 97.5 NJ Trenton, call, rs 228
WKYN St. Marys PA off temporarily
30 tropo & Eskip
1400 W204?? 88.7 NY Dansville, ID WMHR 102.9, gs, 55
1536 WQHT 97.1 NY New York, "Hot-97", ss New Yorks hottest music 248
1918 WUSA 100.7 FL Tampa, Tampa Bays "W-101", rs 994
1923 WAYJ 88.7 FL Fort Myers, "way-FM", grs 1100
1935 WMNF 88.5 FL Tampa, call, OS 1003
1945 WYFF 88.9 FL Tarpon Springs, call, gs 968

31 tropo & scatter

WNUC 107.7 Wethersfield NY off this morning for a couple hours.
0741 WHSB 107.7 MI Alpena, "107.7 HSB", rs 337
0748 WFSP 107.7 WV Kingwood, "sunny 107.7", call, rs 253
0751 WQNA 107.7 NY Albany, "country 107.7" + call, KS 232
0815 WBZW 107.7 OH Loudonville, call + "oldies 107", OS 212
0836 WRKR 107.7 MI Portage, call, rps 352
0916 107.7 ?? ???????, rock-n-country "thunder 107.7", rKS ???

AUGUST 1993 DX

1 tropo & scatter
0414 WERQ 92.3 MD Baltimore, "92-Q", lcl wx call, ss, WRRN Warren PA off for the night, 208
0932 WSNu 92.1 PA Lock Haven, "sunny 92" area ads, rms 78



Took down the FM-10 and put up a Probe 9 at the same height. I didn't take too much time to play around with it but I did notice more gain, better nulls and a much better front-to-back ratio. Dave

DBRUCE HALL - 5 STIRTON AVE. - BRANTFORD, ONTARIO CANADA N3T 1E2

Equipment: JVC JRS201 receiver (IF mod with 3 110 khz filters), Magnum Dynalab Sleuth 205 amp, Probe 9 fed with RG6 at 50' AGL. Crown rotor, distances are in kilometres.

JULY 1993 DX5 Tr

2200 WMHI 94.7 NY Cape Vincent, g, legal 337
2228 CKKL 93.9 ON Ottawa, r, Cool FM, Fewer
commercials and less talk, the new Cool FM 447

6 Fr

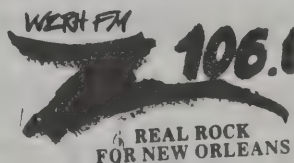
1700 CBKF 97.7 SK Regina, tm, CBC ID heard
in French, 5th PROVINCE heard 2025
1721 WTBX 93.9 MN Hibbing, r, calls, y/l 1099
1724 KXLP 93.1 MN New Ulm, r, local ads 1147
1726 KKWQ 92.5 MN Warroad, k, KQ92 "Gibson
Miller Band, Texas Tattoo on KQ92" 1327

7 TrS, Tr

1208 CJRQ 92.7 ON Sudbury, Q92 weather 380
1341 WDSY 107.9 PA Pittsburgh, k\$, "today's
hot new country here's Pam Tillis on Y108" 299
1413 WENZ 107.9 OH Cleveland, "Helping to
preserve our environment 107.9 The End" 213
Energy 108 running at low energy, thanks for tip Greg

July 21 TrS (3 Buffalo stations off the air)

0012 WKKW 106.5 WV Clarksburg, calls sung out
and Clarksburg heard, k 426
0049 WHLM 106.5 PA Bloomsburg, New Mix 106.5
and calls also heard 394
0123 WSTO 96.1 KY Owensboro, r, 96STO
"today's best music", Mike Desmond DJ 829
0246 WFCJ 93.7 OH Miamisburg, gospel
music and calls heard 511
0228 WRVC 93.7 KY Ashland, Oldies 93 "The 100,
000 watt voice of good times rock and roll, the new
Oldies 93 RVC", Wild Thing by the Troggs



Thanks Greg for tips on Low Energy 108 and your 3 locals off info. Netted 7 new ones thanks to you. Especially pleased with WSTO at 829 km in Full Stereo! Sitting here writing this, enjoying the midnight skyline of Nashville with Doug Smith working the 2m ham band and Mike Hawk working the FM. It's Sunday night and the 93 convention is winding down quickly. This report concludes my 4th convention and I feel quite strongly that Doug Smith and Tom Bryant deserve several kudo's for what I consider the new high standard that all future conventions will be compared to. Every detail was looked after so well by Tom and Doug and they even used their southern hospitality to open up the band for the BEST TROPO of the season! Thanks guys for the dance at "Tropo City USA" 73 dB

GUS MANCUSO - 5615 INWOOD STREET - HYATTS, MARYLAND 20785

From Atlantic City, NJ, S.W. side of Caesar's Palace

MAY 1993 DX13 Tr

1930 WQNJ 98.5 NJ Ocean Acres,
simulcasts with WJLK 94.3 Asbury Park
2050 WJNN 106.7 NJ Cape May, news

14 Tr

0655 WSHU 91.1 CT Fairfield
0715 WLIE 101.9 MD Baltimore



STATION NEWS: WBNJ 105.5 Cape May Courthouse, NJ is now country, WEGX 106.1 in Philadelphia is now WJJZ, and jazz. Still not on are: 105.7 and 107.3 in south NJ. Have picked up 56, 16, and 4 new stations the last 3 summer trips respectively. Time to try Foxwoods casino in Connecticut! Note: moved to the usually more lucrative N.E. side of building for the second nite, but did not get any new loggings!

REPORT TO THE V.U.D. TODAY!!

JEFF FALCONER - P.O. BOX 63 - CLINTON, ONTARIO N0M 1L0

Equipment: Magnum Dynalab FT-101A, Probe 9 at 27' with rotor, RG-11 feed, Magnum Dynalab 205 preamp.

MARCH 1993 DX

3 Trs

1741 WVSH 91.9 IN Huntington, rp\$, ID 277

7 MS

0103 KVIL 103.7 TX Dallas, "KVIL. home of the best"

APRIL 1993 DX

9 Trs

0027 {WORD} 101.5 PA Pittsburgh, g\$, ID, ex: WPIT 234

0034 {CKGE} 94.9 ON Oshawa, r\$, ex: CKQT 135

14 Trs

2041 WKSB 102.7 PA Williamsport, ads\$ 2842100 WKBI 94.3 PA St. Mary's, o\$, and ID,
easier now that WEOZ is off the air 213

17 Trs

1843 {WYGY} 96.5 OH Hamilton, k\$, Y96, ex: WZRZ 327

1848 {WMMX} 107.7 OH Dayton, rm\$, Mix 107-7 302

18 Trs

1627 CJMJ 100.3 ON Ottawa, r\$, Magic 100 313

MAY 1993 DX

16 Trs

1402 WECI 91.5 IN Richmond, ID, rx\$ 314

JUNE 1993 DX

12 Es

1150 WJXR 92.1 FL Maccleny, k\$ 9211153 WLJS 91.9 AL Jacksonville, r\$?

"Hot Rockin' 92-J"

1201 WUWF 88.1 FL Pensacola, c\$, ID 9641206 WBHY 88.5 AL Mobile, g\$ 9631207 WFIT 89.5 FL Melbourne, ID\$ 10741209 WVLK 92.9 KY Lexington, k\$, K93, (Trs) 4151213 WJDB 95.3 AL Thomasville for
Alabama Power 8931251 {WJYO} 91.5 FL Ft. Myers, g\$, Joy FM,
previously heard as WSRX 11861300 WLRN 91.3 FL Miami, ID\$ 12361302 WMCU 89.7 FL Miami, ID, wx\$ 12361334 WRMB 89.3 FL Boynton Beach, address\$ 11831514 KTUX 98.9 TX Carthage, r\$, Tux 99 10561520 KAGG 96.1 TX College Station, ads\$ 12141521 KYKZ 96.1 LA Lake Charles, k\$, Kids 961524 KWKH 94.5 LA Shreveport, k\$, Radio Ranch 10161525 KITT 93.7 LA Shreveport, ID\$ 10161526 KSSN 95.7 AR Little Rock, k\$ Kissin 96 8401527 KEGL 97.1 TX Ft. Worth, r\$, The Eagle 11401532 KMOO 96.7 TX Mineola, k\$ 10712055 KSCS 96.3 TX Ft. Worth, k\$ 1140

15 Es

1800 KUNC 91.5 CO Greeley, ID\$ 1210

16 Es

2047 WMMK 92.1 FL Destin, k\$, K92 953

16 Tr

2107 WNUA 95.5 IL Chicago, m\$, ID 332

21 Es

1803 WPRK 91.5 FL Winter Park, r\$, ID 10382000 KVNE 89.5 TX Tyler, g\$

June 21st E-skip continued

2014 KPLX 99.5 TX Ft. Worth, k\$, K-Plex 11402015 KRSR 105.3 TX Dallas, k\$, Young Country

o/local CFCA (Jeff, they have new calls, but I don't

recall what they are. KYNIG I believe-gc) 1117

2025 KCYT 106.7 TX Granbury, Coyote Rdo, bm\$ 11742030 KSTV 105.7 TX Stephenville, ads\$ 12012033 KSSA 106.9 TX McKinney, Spanish\$ 10892057 WRR 101.1 TX Dallas, c\$ 1117

24 Es

1742 WHLZ 92.5 SC Manning, k\$, Wheels 92-5 6892045 WZZR 92.7 FL Stuart, ads\$ 11372049 WXDJ 95.7 FL Homestead, SS\$ 12322050 WEDR 99.1 FL Miami, rs\$, 99 Jams 12362052 WRTO 98.3 FL Goulds, Spanish\$ 12122054 WEOV 92.5 FL Key West, r\$, Wow 92-5 13172056 WAIA 93.3 GA St. Mary's, ads\$, A1A 8902059 WYU 92.5 FL Safety Harbor, o\$ 1084

2100 {WIKX} 92.9 FL Punta Gorda, ID\$, ex: WQLM 1153

2102 WHTQ 96.5 FL Orlando, r\$, Q-96 10422108 WZMQ 103.9 FL Key Largo, Spanish in

stereo, Stereo Fiesta 1283

2128 WCMQ 92.3 FL Hialeah, Spanish\$ 1232

26 Trs

0218 WRVF 98.9 OH Upper Arlington, k\$, River 2621108 CIRV 88.9 ON Toronto, ethnic, ads, ex 88.7 108

1638 {WTKB} 100.7 PA New Kensington, k\$,

"K-bear" ex WMPX 229

28 Trs

0712 WDCZ 102.7 NY Webster, g\$, ID 208

JULY 1993 DX

1 Es

1909 KGNZ 88.1 TX Abilene, g\$, ID 12551923 W207?? 89.3 OH? WKSU 89.7 xtr (Trs)1929 KACU 89.7 TX Abilene, ID\$ 12551930 KSYE 91.5 OK Frederick, ID\$ 11351931 KFLQ 91.5 NM Santa Fe, rx, wx sps\$ 14321936 KNFM 92.3 TX Midland, wx\$ 13791938 KQIZ 93.1 TX Amarillo Texans BB\$ 12281939 KBAT 93.3 TX Midland, r\$, Pur eRock 93 13791943 KECO 96.5 OK Elk City, k\$, ID 11091946 KCLV 99.1 NM Clovis, k\$, ID 13281952 KZRR 105.1 NM Albuquerque, r\$, Z-Rock 1467

2006 {KERC} 107.5 NM Clovis, k\$, ex: KZZO 1328

2029 KRZA 88.7 CO Alamosa, ID\$ 1346

2 Trs

0000 CBON18 88.1 ON Sault Ste Marie, CBC FF mono 2430050 WBNS 97.1 OH Columbus, o\$, all new B97 2620112 WGLQ 97.1 MI Escanaba, ads\$ 3090153 WJQZ 93.5 NY Wellsville, rm ID, too weak

to tell if \$ (it is not, they are mono-gc) 209

102.9K-Lite FM
Continuous Light Hits!

MORE GREAT DX ON THE NEXT PAGE

JULY 1993 DX				6 TrS			
3 Es				2100 {WWDX} 92.1 MI St.Johns, r\$, The Edge			
1538	WMAW	88.1 MS Meridian, c\$	870	ex WQMX			158
1548	KPAE	91.5 LA Erwinville, asking for \$\$	1057	2123 WVAQ 101.9 WV Morgantown, rs\$			287
1552	WQCK	92.7 LA Clinton, remote from		10 TrS			
	Family Freedom Festival, Q-92.7			1157 {WPSX} 102.3 MI Big Rapids, o\$, Power 102.3			
1555	KKBQ	92.9 TX Pasadena, k\$, 93-Q country	1226	Fm, ex WAAQ			198
1601	WADU	94.9 LA Reserve, ads\$	1058	11 TrS			
1623	KQKI	95.3 LA Bayou Vista, k\$	1102	0053 WDV E 102.5 PA Pittsburgh, r\$, ID finally!			234
1626	WYNF	94.9 FL Tampa, r\$, 95-YNF	1084	1025 W220AI 91.9 PA Meadville, g\$ // WCRF 103.3			154
1632	{KLEB}	94.3 LA Galliano, k\$, 94 Country		12 Es			
	ex: KBAU 1060			1955 WJYR 92.1 SC Myrtle Beach, m\$, Joy 92			700
1653	WESE	92.5 MS Baldwyn, ads\$	735	1957 WLGI 90.9 SC Hemmingway, Radio Bahai			691
1655	WSCF	91.9 FL Vero Beach, g\$	1106	2044 WPAP 92.5 FL Panama City, k\$, ID			957
1752	WEOW	92.5 FL Key West, rs\$ Wow 92-5 FM	1317	18 TrS			
1756	WOZN	98.7 FL Key West, ads\$	1317	1023 WVLK 92.9 KY Lexington, becoming regular			415
1758	WHYI	100.7 FL Ft.Lauderdale, r\$, Y100	1212	19 Tr			
1759	WLYF	101.5 FL Miami, m\$	1236	1749 WZOW 97.7 IN Goshen, o\$, ID			260
1800	WZMQ	103.9 FL Key Largo, Spanish\$	1283	1755 WDJ B 106.3 IN Columbia City, rs\$, B106			263
1801	WEAT	104.3 FL W.Palm Beach, wx rpt\$	1171	1814 WXKE 103.9 IN Ft.Wayne, o\$			255
1804	WQBA	107.5 FL Miami, Spanish\$	1236	1837 WMRI 106.9 IN Marion, b\$			300
1809	WRTO	98.3 FL Goulds, Spanish\$	1250	1840 WWKI 100.5 IN Kokomo, k\$, ID			320
1811	WCVU	94.5 FL Naples, ads\$	1208	1845 WLBC 104.1 IN Muncie, r\$, The New 104.1			309
1838	WAYG	89.1 FL Sarasota, g\$, Way FM	1127	1900 WERK 104.9 IN Muncie, o\$, Oldies 105 WERK			
1842	WCTQ	92.1 FL Venice, k\$, Q92	1142	AM and FM Muncie-Anderson			309
1843	WCHY	94.1 GA Savannah, k\$, Y94	798	1921 WNUY 100.1 IN Bluffton, o\$, Y-100			270
1845	WKOL	96.9 FL Jacksonville, o\$, Cool FM	918	23 Tr			
1849	WGCO	98.3 GA Midway, o\$, Oldies 98.3	795	1844 WLST 95.1 WI Marinette,r\$, Easy Rock 95			318
1851	WTKT	98.5 FL Crystal River, r\$	1019	1846 WHYB 103.9 MI Menomonee, promo for			
1854	WQIK	99.1 FL Jacksonville, k\$, ID	918	the Menomonee County Fair\$			318
1900	WLQH	97.3 FL Chiefland, ID\$	979	1904 WJNR 101.5 MI Iron Mountain, r\$, Hits 101			355
1904	WXdJ	93.7 FL Homestead, Spanish\$	1254	24 MS			
1905	WGYL	93.7 FL Vero Beach, o\$	1106	1139 KUNC 91.5 CO Greeley, "The temperature			
1919	WJXR	92.1 FL Maccleny, auction\$	921	in Greeley is...", prev via Es			1210
4 TrS				73 and good DXing, Jeff			
1129	WRVM	102.7 WI Suring, g\$	351	<div>WUFT-FM</div> <div>CLASSIC89</div>			
1133	WUVE	104.5 MI Saginaw, r\$ // WBTZ 100.9	123				
1146	WCMM	94.7 MI Gulliver, k\$, The Country					
	Music Machine						294
1617	{WVTY}	96.1 PA Pittsburgh,ads, Variety	96.1	234			
6 Es							
1831	{KNIN}	92.9 TX Wichita Falls, ID\$, ex KBD	1134				

ALAN R. MILLMAKER - 2714 LAKE ROAD - CENTRALIA, ILLINOIS 62801

KA9GUL. Equipment: Lafayette 3030 receiver, Winegard 3030 antenna up 20 ft, amplifier 1113B set to minimum or AOR scanner amplifier. I heard the following information on 7/25/93 on 98.7 at 1217PM, weather forecast calling for a high of 103, remote from Wal-Mart, then ID of KLUV (Dallas-Fort Worth) (TEXAS) playing oldies. I then decided to tune up up Lafayette 3030. First the oscillator was set on frequency, then the mixer was adjusted for maximum on the high end of the dial, and finally the antenna trimmer was adjusted in the same location. On morning of 7/27 I picked up hese with antenna west-0127 WDJX 99.7 Louisville, Ky.

0132 WZPL 99.5 Greenfield, Ind.

0142 WXXP 97.9 Anderson, Ind.

I want to reverify that I heard KMZU and not KMTU as I previously reported. The DJ that was on at the time said call letters wrong.

NORTHERN FM DX

SEPTEMBER 1993

Mike Hawk, NOOSY - 10212 P ST - Omaha, NE 68127-2130
Equipment: Kenwood KT-815 tuner (IF mod), FM-10 at 30'

6/30 Es			1729 WMAU	88.9 MS Bude	733
0032 KNEV	95.5 NV Reno, Magic 95-5	1256	1734 WMMZ	95.7 LA New Orleans, Mix 95.7	846
7/1 Es			1859 KBNR	88.3 TX Brownsville, SS	1062
1743 WKNN	99.1 MS Pascagoula, ads	859	1900 KMEH	88.9 TX Harlingen, Classic 88	1043
1745 WABB	97.5 AL Mobile	852	1907 KBSO	94.7 TX Corpus Christi, Beso 94	930
1746	Left for work but had tape player going		2022 KBNL	89.9 TX Laredo, SS	967
1750 WQID	93.7 MS Biloxi	848	7/6 Tr		
1812 WYBB?	93.7 TN Dickson, mntion of central TN and also Nashville in ad. This would be state #47 and closest Es ever	587	2201 KZZD	91.1 KS Wichita, Z91, r	254
1815 WDJC	93.7 AL Birmingham, g	735	7/8 Es		
7/2 Tr			1030 WAYJ	88.7 FL Ft Myers	1302
2308 KMZU	100.7 MO Carrollton, ID's. Heard THROUGH KGBI (100 kW local) on 100.6 and 100.8. Apparently KMZU has a wide signal	587	1034 WAYG	89.1 FL Sarasota	1230
2312 KFMZ	98.3 MO Columbia, r	251	7/9 Tr/Trs	(KVNO, KGBI, KZKX, KLDZ off & KYNN on w/open carrier after t'storm)	
7/3 Tr			0116 KKOW	96.9 KS Pittsburg, K97	272
0015 KEIA	91.3 MO Columbia	251	0910 KRDO	95.1 CO Colorado Springs	492
0032 KMYM	107.7 MO St Louis, Magic 108; other St. L's also heard	587	7/28 Tr		
0111 KRRR	100.9 MO Canton, K triple R	248	2300 KMOD	97.5 OK Tulsa	350
7/6 Es MUF	107.5; off/on all morning		2315 KGND	107.5 OK Ketchum, K-Grand	342
0931 WZFX	99.1 NC Whiteville, The Fox	1060	2344 KGLC	100.9 OK Miami, lcl ads	306
1048 WNSC	88.9 SC Rock Hill, SC Pub. R	926	7/29 Tr		
1055 WRJA	88.1 SC Sumter, //88.9	950	2210 KQSK	97.5 NE Chadron, "97.5 and 106 FM"	
1056 WEZK	97.5 TN Knoxville, TN#2	748	2215 KSDZ	95.5 NE Gordon, k	334
1101 WMAP	102.3 SC Pageland	962	2227 KRZZ	96.3 KS Derby, tough w/KEFM-96.1	
1104 WPEG	97.9 NC Concord, Power 98	929	2305 KPNY?	102.1 NE Alliance, Tri-102	357
1107 WFSS	91.9 NC Fayetteville	1025		Tulsa stns and some SD also in strong	
1312 WALK	97.5 NY Patchouge, Walk FM	1202	7/30 Tr		
1317 WCJZ	97.5 NY Watertown, CIZ-FM	1042	0100 KILI	90.1 SD Porcupine, "Keelee Radio"	
1318 CHYM	96.7 ON Kitchener, Chime FM; mntn of Kitchener. CL change?	810	0130 KSKC	99.1 KS ??, Channel 99. Note 1.	
1320 WKSS	95.7 CT Hartford, Kiss 95.7	1210	0811 KRJY	96.3 MO St Louis, Juke Box 96	358
1330	Monterrey and Nuevo Laredo in to 102.9 All relogs except for:		0815 WBBA	97.5 IL Pittsfield	298
1331 XHNOE	91.3 TA Nuevo Laredo	968	0855 KKHT	98.7 MO Springfield	313
1333 XHRP	94.7 CL Saltillo	1128	0900 KVTU?	88.3 MO Springfield, The Wind FM	
1336 XHSAB	89.5 NL Sabinas Hidalgo, bad audio but \$ once again		0910 KKTZ	107.5 AR Mountain Home, Mix 107.5	
1341	A FF station was heard on 94.9!			Note 2	391
			0915 KKDY	102.5 MO West Plains	383
			0930 KAMS	95.1 AR Mammoth Spring, o/KLDZ!	
				K Country 95	406
			1000 KWFC	89.1 MO Springfield	313
			1005 KCVot	91.7 MO Camdenton, g	283
			1025 KOEA	97.5 MO Doniphan, k	424

Note 1: In a promo they mentioned 4 decades of service. That seems strange considering I have no record of them or the call signs on 99.1 or any other freq. Maybe its another stn on 99.1 who just changed CL's?

Note 2: Frank Merrill's success in logging 9600 miles worth of tropo on 106.7 inspired me to recalculate 107.5, in which I've heard 6620 miles worth of tropo.

DX in July was mediocre. Es took a dive, but not quite as bad as last year. Tropo was terrible until the last few days of the month. Still nothing beyond 500 miles this year. The best tropo this year was at the convention in Nashville. Texas and Oklahoma was seen/heard to distances approaching 800 miles. I had a great time, and Tom and Doug did a great job as hosts. I'm already looking forward to next years, as long as it is within a 2 days drive and is during summer (school and DX conventions don't mix). It's strange in how much this year's DX has paralleled last year's. Es started strong both years & ended abruptly in July. Tropo was slow until the end of July both years. Maybe that means August will have 8 days of tropo beyond 500 miles like last year!? I hope so! 73

CFMX-FM 103.1



MIKE BUGAJ - 69 SHERMAN RD - ENFIELD, CONNECTICUT 06082

Tuner is a Carver TX11 (IF modified) with Probe 9 at 30' agl. New underlined

JULY 1993 DX2 Tr

0845 WQSR 105.7 MD Catonsville, oldies
 0845 WIOV 105.1 PA Ephrate, Cntry 105, rare

3 Es

1748 WHFX 103.3 GA Waycross, Fox 103
 1751 WYGC 100.9 FL Gainesville, Hot k Hits
 1752 WNCK 99.7 SC Pt.Royal, K 99.7, k
 1759 WUSF 89.7 FL Tampa
 1852 WSYE 93.3 MS Houston, Sunny 93
 1852 WGRM 93.9 MS Greenwood
 1855 WKTF 95.5 MS Jackson, country?

(Yeah, and new calls to go with switch-gc)

1900 WAFR 88.3 MS Tupelo
 1906 KTRX 93.5 MO Tarkyo ID w/KMZU

5 Tr

0920 CHEZ 106.1 ON Ottawa, Chez 106, plus
 other Ottawas

6 Tr

0630 heavy Norfolk and coastal Maryland
 2250 WRSF 105.7 NC Columbia, k
 2300 WMYJ 106.5 MD Pokomoke City, dual ID
 with WKRE 107.5 which was also heard

11 Tr

0852 WDHJ 100.3 NY Delhi

12 Es

1934 WOGY 94.1 TN Germantown, Froggy 94
 k, mention of Memphis area towns (Mike,
 this is Germantown moved from 94.3, not the
 94.1 Ripley CP.-gc)
 2007 KTXK 91.5 TX Texarkana
 2016 KWKH 94.5 LA Shreveport, Radio Ranch
 2035 KRMD 101.1 LA Shreveport, k
 2036 WMC 99.7 TN Memphis, FM100
 2041 KYXK 105.7 TX Longview, Hot k Kicks
 2043 KNUE 101.5 TX Tyler
 2051 KDGE 94.5 TX Gainesville, The Edge

25 Es

1950 WAKX 98.9 MN Duluth
 1950 KUMD 103.3 MN Duluth Public Radio
 2000 WRJQ 94.5 WI Eagle River
 2000 WSCD 92.9 MN Duluth
 2004 KMFY 96.9 MN Grand Rapids
 2005 KDKK 97.5 MN Park Rapids
 2015 CITI 92.1 MB Winnipeg, 92 City FM
 2015 CHIQ 94.3 MB Winnipeg, Q94 FM
 2020 KBHP 101.1 MN Bemidji

25 Tr

2100 Coastal Tropo, WAAI/WYFI/WOLC/WSLT,
 Norfolk area, coastal NJ and MD

26 GW

2000 Some testing to the west with music (no
 talk). Signal level about the same as Salisbury 98.1.
 I think this is the new Sharon 103.3 testing.

30 Es

1755 WOOF 99.7 AL Dothan
 1800 WRWA 88.7 AL Dothan
 1800 WDCO 89.7 GA Cochran, Peach St. PR
 1806 WPCN 100.1 FL Panama City Beach
 1808 WESP 102.5 AL Dothan, Oldies 102.5
 1812 WRCC 101.7 GA Warner Robbins, k
 1814 WJAQ 100.9 FL Marianna, k
 1821 WDJR 96.9 AL Enterprise
 1844 WMEZ 94.1 FL Pensacola
 1848 WTBB 97.7 FL Bonifay, 97.7 Pirate Radio
 1914 WTVY 95.5 AL Dothan
 1914 WRBA 95.9 FL Springfield, Bay 96
 1930 WTTJ 90.1 FL Crestview, g
 1931 WRBH 88.3 LA New Orleans

So much for July DX. Tropo this month was poor.
 On a scale from 1 to 10, ten being excellent, I'd rate
 this Es season a 4. That's better than a zero, but
 not worth much more than a yawn.

JOHN EBELING - 9209 VINCENT AVE SO. - BLOOMINGTON, MINNESOTA 55431

All times are CSTFROM BLOOMINGTON, MINN LOCATION:JUNE 1993 DX9 Es

1954 KNFM 92.3 TX Midland, k
 1955 KODM 97.9 TX Odessa, Mix 97.9
 2000 KELI 98.7 TX San Angelo
 2015 KDGD 92.9 TX San Angelo, CD Country
 2020 XHEC 91.9 NL Sabinas
 2026 KVNE 89.5 TX Tyler, PSA for East
 Texas Crisis Center in Tyler

2029 KGNZ 88.1 TX Abilene
 2035 KMTH 98.7 NM Maljamar, +X SCA, c

16 Es

1725 KCEP 88.1 NV Las Vegas, I-15 traffic
 1730 KSRR 92.9 TX San Antonio, note 1
 1750 KBDR? 100.5 TX Mirando City, B100,
 does this one have new calls?
 1755 KZOR 94.1 NM Hobbs
 1823 XHEC 91.9 NL Sabinas, \$

June 16th skip cont.

1833 KNFM 92.3 TX Midland,
 "West Texas Country Leader"
 1837 KBAT 93.3 TX Midland
 1841 KMRK 96.1 TX Odessa
 1901 KKOB 93.3NM Albuquerque
 1930 KRZA 88.7 CO Alamosa
 1933 KHFM 96.3NM Albuquerque
 1956 KAFF 92.9 AZ Flagstaff
 2006 KNAU 88.7 AZ Flagstaff

17 Es

1930 KNAU 88.7 AZ Flagstaff

21 Es

1731 WSCL 89.5 MD Cambridge,
 1737 WFBR 94.3 MD Cambridge, k (WICO-am)
 1742 WYLT 96.1 NC Raleigh, Y96FM
 1758 WSBF 88.1 SC Clemson

29 Es

1613 KJYE 92.3 CO Grand Junction, "KJOY",b
 2043 KUHF 88.7 TX Houston

more of john's dx to follow →

JOHN EBELING'S report continues-

JULY 1993 DX

1 Es (Note 2)

1650 KPVU 91.3 TX Pararie View
 1658 KJOJ 103.3 TX Freeport, g
 1702 KIVY 92.7 TX Crockett, local ads
 1706 KZFX 107.5 TX Lake Jackson, Z 107.5
 1715 KULM 98.3 TX Columbus
 1719 KHOY 88.1 TX Laredo, +X SCA
 1724 KPLE 104.3 TX Temple
 1726 KVIC 95.1 TX Victoria
 1729 KVTI 91.7 TX Dallas, g, Renewal Radio
 1731 KNTU 88.1 TX Denton
 1754 KGSR 107.1 TX Austin/Bastrop
 1755 KHKS 106.1 TX Denton/Dallas
 1800 KALK 97.7 TX Winfield
 1802 KWTX 97.5 TX Waco, a lousy ID
 1803 KMDL 97.3 LA Kaplan
 6 Es
 1729 KIOX 96.9 TX El Campo

MIX

99.9

FROM PROSIT (ALBORN), MINN. LOCATION:MAY 1993 DX

16 Es

2004 CJAY 92.1 AB Calgary, CJ92
 2008 CKUA1 93.7 AB Calgary
 2009 CHFM 95.9 AB Calgary, Light 96
 2015 CBR 102.1 AB Calgary
 2018 CBRF 103.9 AB Calgary

23 Es

1015 KFGI 94.7 TX Luling, Froggy 94 oldies
 1025 KHHT 93.3 TX Kileen, Texas hot k
 (John, it is Killeen with these new calls-gc)
 1030 KEOM 88.5 TX Mesquite
 1034 KSAQ 96.1 TX San Antonio
 1116 KAGG 96.1 TX Madisonville, wx
 31 Es
 0940 KNPR 89.5 NV Las Vegas
 0942 KBXS 92.7 NV Ely, k, wx (320 watts?)

JUNE 1993 DX

13 Es

1029 KNFM 92.3 TX Midland

18 Tr

2300 KBHL 103.9 MN Osakis

21 Tr

0900 KQSD 91.9 SD Lowry

JULY 4 Tr

1357 KDJS 95.3 MN Wilmer, new

Note 1: On this June 16th opening I had Spanish on 17 frequencies: 88.3, 90.1, 90.9, 88.9, 91.7, 91.9, 92.7, 93.3, 94.1, 94.3, 95.7, 96.1, 96.3, 99.7, 106.5, and 107.5 (John, they may have been double hop, I had 1700 miles reception to Monterrey at that same time-gc)

Note 2: On the way to the cabin, logged KSYE 91.5 OK Frederck (g) and KBIL 92.5 TX San Antonio (r) on the car radio, at about 2100. This Es season, I have been in Toronto from June 2-9 and also in British Columbia from July 7-14. Did not notice any Es in rented car drive from Seattle to Prince George, BC and back. As one might, expect, FM band in Central BC is rather dead! That should about do it for now from MN. Regards from John Ebeling

MORRIS SORENSEN - 29 JANET BLVD. - SCARBOROUGH, ONTARIO M1R 1H7 CANADA

Equipment Panasonic RF-B65 with whip antenna

DX from Kemptville, Ontario-JULY 1993 DX

9 Tr

2258 CKOJ 96.9 PQ Verdun, French, local ads
 "say kwah" ID (C-koi in French)

10 GW

2249 WNCQ 102.9 NY Morristown, country mx, ID as
 "102.9 FM WNCQ Morriston-Brockville, 1410 AM WNCQ
 Watertown, Big Q Country", relatively new station

11 Tr

2059 WVVN 96.5 NY Malone, country, ID sung out

12 Es

1957 WUWF 88.1 FL Pensacola, U of W. Fla Radio
 1959 WJSP 88.1 GA Warm Springs, Peach State P.R.
 2047 WMXZ 95.7 LA New Orleans, rock music
 "New Orleans' Mix 95.7"

July 12 Tr

2157 WGX 95.3 NY Gouverneur, ads, ID mentioning
 other stations onnetwork, "full service radio"

13 Tr

2156 CHGA 97.3 PQ Maniwaki, rock, French news

2258 WHEN 107.9 NY Syracuse, "Country 108", legal ID

14 Tr

1050 CBOF9 88.7 PQ Chapeau, French // CBF 690

1336 CHOM 97.7 PQ Montreal, "chom", ID, baseball
 contest promo

1341 CITE 107.3 PQ Montreal, soft rock "Cite" ID in FF

1426 CBF 100.7 PQ Montreal, French talk // CBOX 102.5

I've recently rejoined WTFDA after an absence of a couple of years or so. I'm presently living in the Toronto suburb of Scarborough but do most of my DXing when I'm out of the city. Recent loggings come from Kemptville, Ontario, near Ottawa (Welcome back, Morris. Hope to hear from you often!-gc)

73, Morris Sorensen

NORTHERN FM DX

SEPTEMBER 1993

DANIEL OETTING - 600 W. SCHUYKILL RD Y-6 - POTTSTOWN, PENNSYLVANIA 19464

Equipment: Harmon Kardon Citation 23 and rabbit ears

FROM EXTON, PA:

April 30: (My 1st child was born yesterday at 0406 congratulations, Dan!-gc) and here I am DXing the night away!!)

030 WSBL 97.9 DE Selbyville, ID

035 WCXL 104.1 NC Kill Devil Hills, r

DAY 1993 DX

000 WNHW 92.5 NC Nags Head, k, ID

Strong Eastern Long Island relogs, 92.1, 95.3, etc

JUNE 1993 DX

034 WAYG 89.1 FL Sarasota, g

038 WSRX 91.5 FL Fort Myers

045 WYFQ 91.9 FL Lakeland, g

046 WCTQ 92.1 FL Venice, k

046 Had to leave Es

055 WWNJ 91.1 NJ Dover Township, c

032 WPLM 99.1 MA Plymouth, ID, talk

042 WHCN 105.9 CT Hartford, rp

059 WWEC 88.3 PA Elizabethtown, ID, BBC news

053 WSHH 99.7 PA Pittsburgh, ad for McMurray

FROM POTTSTOWN, PENNSYLVANIA:

015 WSPi 99.7 PA Mount Carmel, ID, rm,

"Spy 99.7", new to the airwaves

030 WVOR 100.5 NY Rochester, rm

045 WEFX 95.9 CT Norwalk

010 - 2030 lots of S.Florida relogs, 88.9 to 105.9

014 WRTQ 98.3 FL Goulds, Spanish

016 WGyl 93.7 FL Vero beach, m

015 QBNC 88.7 NF Stephenville, CBC radio

020 CKOZ 92.3 NF Cornerbrook, rp, Oz-FM
ads for Newfoundland

Hello DXers! I've moved again. I'm in North Coventry, PA (Pottstown post office). This time I'm about 15 miles north of my previous location of Exton, PA. I'm about 25 miles WNW of Philadelphia. I'm further away from the Roxborough transmission towers. The DX location I'm in is good. I'm on the north slope of a hill facing the town of Pottstown. DX to the south is pretty poor. Picking up Virginia is a rarity now. On the US side, DX to the north is quite good. I've received several Canadian FM's here, some new, in only a month. Some fair amount of FM Es this year, but the openings have been very short lived (a lot of people have been noticing that about this year's openings-gc). What ever happend to all day skip openings? Ocean City MD's WKHI 99.9 is now on 95.9. WWTR gone, 99.9 is now country, WWFG "Froggy". Hamokin PA's Spy 95 (95.3) reappears on 99.7 as "Spy 99.7" and 95.3 is now "Whistle", WISL, with rock. See ya, Dan O.

June 27 Tr

1130 WZMX 93.7 CT Hartford, rm

1135 WKCI 101.3 CT New Haven/Hamden

1137 WPDH 101.5 NY Poughkeepsie

28 GW/Tr

0734 WBHI 97.1 PA Mountaintop, Hot 97, ads

28 Es

1307 KPEI 90.1 TX Houston, calls

1310 to 1333, Mobile, AL relogs 88.1 to 94.9

1331 WKSM 99.5 FL Ft. Walton Beach/Pensacola ad

30 TrS

0030 WGBG 101.7 NY Owego, r, ID

0050 WBBS 104.7 NY Fulton, k, "B 104.7"

JULY 1993 DX

1 Es

1400 KBAU 94.3 LA Galliano, k, ID

1410 WBBN 95.9 MS Taylorsville

1422 WOKK 97.1 MS Meridian

1425 WJMI 99.7 MS Jackson, s

5 Tr

0950 WSPK 104.7 NY Poughkeepsie, r

1032 WJEE 90.5 NY Jeffersonville, c, pledge drive

1105 WCBA 98.7 NY Coming, rm, 98.7 CBA FM

1315 WKFM 104.3 NY Utica, rp

6 Tr

0655 WAMC 90.3 NY Albany, c

0715 WXTK 94.9 MA W.Yarmouth, t

0720 WRCN 103.9 NY Riverhead, rp

0730 WBMW 106.5 CT Ledyard, rm

2111 WLZW 98.7 NY Utica, "Light 98.7 WLZW"

7 Tr

1100 CJBC1 95.5 ON Belleville, FF

8 Tr

0002 CFLY 98.3 ON Kingston, Canadian oldies

0024 WSQC 90.9 NY Ithaca, c, ID w/WSKG 89.3

0104 WSEN 92.1 NY Baldwinsville, oldies

ID with 1050 AM

14 Tr/AS

1242 CFMK 96.3 ON Kingston, k, weather in
Celsius, "Country FM"

29 Tr

1215 WKXZ 93.9 NY Norwich, rm, Central NY ad

FM88.5 89.5 90.5 91.5 92.5 93.5 94.5 95.5 96.5 97.5 98.5 99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5 108.5 109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5 119.5 120.5 121.5 122.5 123.5 124.5 125.5 126.5 127.5 128.5 129.5 130.5 131.5 132.5 133.5 134.5 135.5 136.5 137.5 138.5 139.5 140.5 141.5 142.5 143.5 144.5 145.5 146.5 147.5 148.5 149.5 150.5 151.5 152.5 153.5 154.5 155.5 156.5 157.5 158.5 159.5 160.5

WJYR FM 92

NORTHERN FM DX

SEPTEMBER 1993

FRANK MERRILL - P.O. BOX 669 -MACOMB, ILLINOIS 61455

Equipment: same as usual

DECEMBER 1992 DX

1 Tr
0907 WMQT 107.5 MI Ishpeming 450
0930 WPF 90.5 MI Sturgeon Bay
over WNU,wx, program announcements 330
0947 WIMK 93.1 MI Iron Mountain 400
13 Tr
1802 KKTZ 107.5 AR Mountain Home 360
2323 KURB 98.5 AR Little Rock 420
poor Tr on FM, but "raging" on UHF

FEBRUARY 1993 DX

7 Tr/GW
0200 WYDS 93.1 IL Decatur, D93,k,legal 100
MARCH 1993 DX
26 Tr
1939 KWNG 105.9MN Red Wing, K-wing 310
27 Tr
2250 WOJB 88.9 WI Hayward, end of
program, calls, 800-776-2689, that
had been my most wanted FM. 370
THIS IS IT, up to the end of MAY!!

JIM RENFREW - 61 WILCOX ST. - ROCHESTER, NEW YORK 14607-3832

(716) 461-2717 (h), (716) 494-1847 (Tu/Th), JVC auto radio, all times EDT. Distances are from Fred.

JUNE 1993 DX

10 GW and Tr
1100 WBTF 101.7 NY Attica, new calls not noted,
just non-IDs. (There was a mistake, Jim, Attica
is still WBTF. WJER is in Dover, Ohio-gc)
1115 {WBBS}104.7 NY Fulton, new k format, and
many non-IDs
1120 {WKFM}104.3 NY Utica, lots of non-unids
(Jim, note they have finally gotten their new calls-gc)
1130 WBBGt 93.3 OH Youngstown, probably the
one with brief ad for Ohio Edison

11 Es (MUF 101.9, possibly 104.9)

1116 KEBC 94.7 OK Oklahoma City, lots of
IDs, country, and local ads 1116
1124 KLA 97.5 OK Durant, ads for ShermanTX
local weather report, verified 1196
1140 KYKC 100.1 OK Byng, Id, ads for Ada (BY
says this one is a CP) (I verified them from this
opening, Jim, they say they are brand new-gc) 1178
1151 KXRT 100.1 OK Ponca City, popped in over
KYKC with temperature "In Ponca City" 1125
1214 KEBC 94.7 OK Oklahoma City, again 1116
1233 KSEC 93.3 CO Lamar, strong for 25 min.
with many KLMR/KSEC/KC93 IDs, local ads
New STATE #26! No other Es at this time.
Verified (darn, I knew I should have written
them, I heard them at the same time!-gc) 1359

June 15 TrS & Es (MUF 91.9)

0927 WJCH 91.9 IL Joliet, presumed to be this
with Family Radio // WFRW, brief burst 548

JULY 1993 DX

1 Es (MUF 107.3)
1323 WPCV 97.5 FL Winterhaven, tentative
with country, previously logged 1070
1329 WYFO 91.9 FL Lakeland, same prayer
requests as 6/15, IDed as WYFO at 1359, with
gospel music QRM. 1071
1331 WWRM107.3 FL St.Petersburg, Warm 107
with continuous relaxing favorites, 1099
1334 WMNF 88.5 FL Tampa, Cuban jazz and
mention of Tampa Stadium 1084
1334 WSORt 90.9 FL Naples, with religion 1199
1335 WMCU 89.7 FL Miami, talk about Epcot
Center, then "WMCU, your radio" with WITR
off at the time, Es drops below channel 6 1209
1405 WDDQ 92.1 GA Adel, Tourist tape
loop, Exit 10, locals ads, ID 889
1408 WMLQ104.9 FL Havana, Weather for
Tallahassee, N. FL and S. GA, Mellow 105 943
1410 WTUF 106.3 GA Boston, ad for John McGee
Auto in Thomasville, popped in u/CJBC 919
1412 WQWD 93.3 FL Gretna, ad with
Quincy address, fighting through WWSE 942
1416 WJAD 97.3 GA Bainbridge, mention of
Albany minor league BB, poor u/WYXL 929

JULY 1993 DX

2 TrS
1308 CBF9 91.9 PQ Mont Laurier, parallel
to CJBC 860 AM Toronto 257
1323 WKMZ 97.5 WV Martinsville, blew in over
WCIZ with ad for Berryville, VA. Is this WQBE
now? (No, WQBE is in Charleston,WV. on 97.5!
Are those the calls you heard!-gc) 255
1338 CITet 107.3 PQ Montreal, probably this
one with French announcer for almost a minute
in over WRCK. 258

I hit a golf ball to the exact same spot from two different
tees today, and then all my TrS reception were less than
three miles apart. Maybe I should have played the lottery
today? (Jim, if that happens, buy one fore each of us,hi)

6 Es

1247 WQUE 93.3 LA New Orleans, ads, alls
1251 {KLEB}94.3 LA Galliano, catfish festival
Terrebonne Health Center, 94 Country non ID



STATION NEWS: In West Palm Beach, Fla. 92.1 is now WRLX. They use the slogan "Relax 92.1". In San Angelo, 92.9 is now KDCD. They are CD country also, presumably the satellite service. WNCQ 102.9 Morristown, NY (near Brockville, Ontario, in the "North Country" region of NY) is on the air with country. They relay 1410 AM WNCQ in Watertown. "They are Big Q Country", just like the old WNCQ 97.5 Watertown, but probably with a lot less coverage than that 100kw station, hi. WMHR 102.9 in Syracuse, a religious station, now has a translator on 88.7 in Dansville, N.Y. KDJS 95.3 in Wilmer, Minnesota is now on the air. In Connecticut, testing has been heard on 103.3 that is quite likely the new Sharon, CT testing. So look for that one to come on shortly. A widely heard change this season is 91.5 Ft. Myers, now WJYO, "Joy FM", and running parallel to WJIS 88.1 Bradenton, another widely heard station. I don't know if they are always parallel though. In that same neck of the woods, WCMQ 92.3 Hialeah, and WZMQ 103.9 Key Largo are no longer simulcasting, they have separate programming now. KZEB 95.5 Pleasant Hope, Missouri is on the air with classic hits for Springfield. Slogans of "B95" and "The B" have been heard. 104.5 in Indianapolis has indeed received its new calls of WGRL. They are now country and "The Bear". Detroit's 99.5 is now WYCD, to go along with it's "Young Country" format. CHYR 96.7 Leamington was heard on the air, with country. WRED Gibsonburg-Toledo is now using the slogan "Toledo's Hit Country Y 95.7". Still WRED though. WRVC 93.7 Ashland, KY has gone oldies. WBVI 96.7 Fostoria, Ohio is now using the slogan "Mellow Mix 96.7". Decatur, IN has moved from 92.7 to 105.1. They are now WQHK-FM, "K105" and country music, serving Ft. Wayne. Two other recent additions to that market are WGL-FM 94.1 Roanoke, IN (talk), and WFWI 92.3 Ft. Wayne (a/c). 104.9 in Muncie is now WERK-FM, and oldies, which sounded satellite fed. Nearby WAXT 96.7 Alexandria is using the slogan "The Frog" and is country. WJAA 96.3 Austin/Seymour, Ind. is on with classic rock. WKMO 106.3 Hodgenville, Ky. was heard using the slogan "KMO country". WASE 105.5 Ft. Knox, Ky is "Oldies 105.5". WHIC 94.3 Hardinsburg, Ky. is now 50Kw according to a billboard (and they do get out well). They are country and use the slogan "Power 94.3". WMQQ 102.7 Springfield, Ky. was heard using the slogan Q-102.7, and was playing oldies. WKYR Burkesville, KY is now 107.9, and country. They don't say much though, lots of dead segues! WKNK 99.1

Edmonton, Ky. is on, with a slogan of "Kickin Country 99.1" heard. WCKQ 104.1 Campbellsville, KY is on the air: "Q104, Central Kentucky's best music mix", and a/c, not to be confused with "Q105, Central KY's best music mix", which is WWWQ Glasgow 105.3, and top 40. KGMO 100.7 Cape Girardeau is "Oldies 100". WRTB 106.5 Washington, Ind. was heard using "Bullet 106.5". They were "Real Country", satellite delivered I believe. KFFB 106.1 Fairfield Bay, Ark. is on the air. They had what sounded like traditional or gospel country music, but it was a Sunday morning, so that may not be their regular format. WHHM 107.7 Henderson/Jackson, Tenn. is on with country. 93.9 in Selmer, Tenn. was also on the air. WNBE 93.1 Alamo-Jackson, Tn. was running religion, and was "Good News 93" so I assume that is their regular format. Millington, Tenn. calls are now WYKL (98.1). They are "Cool 98" and are oldies serving Memphis. KHLS 96.3 in Blytheville, Ark. is using the slogan "96 Country". KJBR 101.9 Jonesboro, Ark. is still those calls, but is now "101.9 Kiss FM" and an adult based CHR or hot a/c. In Northeast Arkansas, a "Kickin' 107" was heard on 106.7, so perhaps Truman, Arkansas is on the air. KWYN 92.5 Wynne, Ark. was heard playing oldies. WRNZ 105.1 Lancaster, Ky. I ded with Harrodsburg and is oldies. WKYL 102.1 Lawrenceburg, Ky. is on the air with an a/c format, no non-ID. This is in the Lexington-Frankfort area. WQTL 106.3 Ottawa, Ohio is using "Classic Hits 106". WDOH 107.1 Delphos, Ohio is country and "Winning 107". WBNI 107.1 Booneville, Ind. is adult standards and nostalgia, and in mono. WDHM 97.9 Salem, Ind. is on with mono religion. WEHR 105.1 Shepherdsville is on, with an upbeat a/c format "hits without the hype" 106.1 Newburgh, Ind. (Evansville) is now WJPS-FM and oldies. 99.9 Kettering-Dayton is no longer WVUD, now they are WLQT, Lite 100. WPKO Bellefontaine, Ohio used the slogan "Lite Mix 98.3". 93.1 Lima is "Froggy 93" and satellite country. Calls sounded like WMRY or something, they were said too fast! 103.3 WFXF Indianapolis is no longer the Fox, now "The X", and still hard rock. WKKO 99.9 Toledo is now simulcasting with WTOD-AM. 103.9 in Louisville, Ky. is now WHKW "The Hawk" and SMN Hot Country. WTFX 100.5 Louisville is on the air as "The Fox", and album rock. Note the calls on 95.1 Glasgow, Ky are WGGC, not WPRX. 103.7 WBLN Murray, KY used "The Blend B103". Thanks Matt Sittel, George Greene, Bruce Hall, Saul Chernos, Dave Nieman, Tim Noonan, Jeff Falconer, Doug Smith, Morris Sorensen, John Ebeling, Bill Nienajadly, and Mike Bugaj!

STATION NEWS: 98.9 in the Austin, TX area (Lampassas) has changed from oldies to a Z-Rock affiliate. It's new calls are KUTZ. KDST 99.3 in Dyersville, Iowa is SMN Real Country. In San Antonio, KSMG 105.3 Seguin goes to adult contemporary. In New York City, WYNY 103.5 is remaining with it's country format, but it has a new slogan: "Y 103.5 today's country hits". WCSE 97.5 in Bridgeman, Michigan is on the air with as and "Cosy 97.5". In Virginia, WSVS 104.7 Crewe changes call letters to WKIK-FM. They remain country, but now are trying more to get into the Richmond market. Their new slogan is "The Bear". Another slogan change, this time in South Florida, as 106.7 Ft.Lauderdale becomes "Tropics 106.7". New calls are WTPX, and the format is soft adult contemporary. 94.3 in Lawtown, Okla. is KQLI no more, the are now KZCD, and "CD country", joining that satellite country service. In Biloxi, Miss., 96.7 now has the calls WXRQ. They are classic rock and have the slogan "Rock 96.7". WFSP 107.7 in Kingwood, West Virginia is on the air now, with a "Sunny 107.7" slogan, and r\$. WBZW in Loudonville, Ohio, same frequency, switched to a/c a short time ago after being new age jazz since their sign on. Well now they have changed again: to oldies, and "Oldies 107". WQZS 93.3 in Myersdale, PA is new to the air. They are album rock and use the slogan "QZ93". CBC has been testing on the air on 94.3 for its new English mono service. Conflicting reports have the city of license either Huntsville or Rosseau, although those two cities are not that far apart. This ties

in with more changes that are targeted to take place on September 1st. CBBC 105.9 Orillia is to move to 91.5. 105.9 will be taken over by CFOR, which is currently on AM 1570. It is not clear whether they will just use CBC's old equipment or a higher powered setup. Due to the increased coverage with the 91.5, and the 94.3, CBCM 107.5 in Midland/Penetanguishene is expected to be shut down. WJLF 91.7 in Gainesville, Fla. is on the air, with religion in stereo, and "Love 91". Somewhat of a shakeup in Central Pennsylvania, as the WSPJ calls previously on 95.3 Shamokin now have shown up on 99.7 Mount Carmel (previously silent). Shamokin now has the calls WISL. Germantown, Tenn.'s 94.3 has moved to 94.1, and upgraded to serve Memphis. New calls are WOGY, with a "Froggy" slogan and country music format. Do not confuse this with the Ripley, TN CP shown in the FM Atlas. I am not sure about the status of that CP, but I would speculate, being so close to Germantown, that they better go find a new frequency! WCMM 94.7 Gulliver, Michigan is also new to the air. They play country music, and their calls stand for "Country Music Machine". 102.3 Big Rapids, MI now has the calls WPSX (same as ch3 Clearfield, PA?). They are oldies, with the slogan "Power 102.3 FM". Another station noted new to the air is 104.5 Saginaw, Mich. Calls are listed as WUVE-FM. They were heard running parallel to WBTZ 100.9 Piconning, Michigan, which I believe is hard album rock? Slogan last I heard was "The Blitz".

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

Equipment: Pioneer TX9100 tuner and/or Carver TX-11 tuner, Stereo Probe 9 FM antenna @ ~ 25' AGL, 9 element Jerrold used with 2 capacitor in a box system, along with rabbit ears, for phasing purposes, CAC-11 and RG6 coax, Archerrator.

JULY 1993 DX

6.Es

1200 KCFR	90.1 CO Denver, c\$, legal ID	1389
1203 KBPI	105.9 CO Denver, legal ID, album r\$	1384
1206 KIJN	92.3 TX Farwell, wx, calls, g\$	1417
1209 KQIZ	93.1 TX Amarillo, All Hit Z93	1344
1215 KMMI	98.7 TX Amarillo, calls, country	1351
1216 KSID	98.7 NE Sidney, m\$, same muffled audio as in 1991, Cheyenne Co. mentions	1258
1219 KTCL	93.3 CO Fort Collins, modern rock\$	1370
1220 KEYE	95.9 TX Peryton, legal ID? Each time I have heard them they have given a legal ID!	1261
1226 KUAD	99.1 CO Windsor, country\$, K99	1349
1230 KKBS	92.7 OK Guymon, local ads ph/CJBX	1286
1234 KEXX	106.7 KS Hugoton, "America's best Mx" and country, format change for them	1263
1241 WKDD	96.5 OH Akron, in strong, rarely heard of WCMF & WCOA: perhaps this is backscatter?	191

July 6 Es continued

1250 WMXZ	95.7 LA New Orleans, Mix 95.7	1098
1255 KBLJ	92.1 CO La Junta, SE CO wx, calls	1352
1500 KWWR	95.7 MO Mexico, Country 96, \$	737
1501 KOEZ	92.3 KS Newton, calls, b\$	1037
1501 KOSU	91.7 OK Stillwater, ID, hi Danny	1091
1501 KCMA	92.1 OK Broken Arrow, legal ID boy that was a productive minute there!	1036
1503 KXLS	99.7 OK Alva, weather 4cast	1125
1505 KZEB	95.5 MO Pleasant Hope, new station on for Springfield market, classic hits\$, "The B"	858
1510 KGLI	95.5 IA Sioux City, KG95, top 40\$, how'd this one get in here??, in for awhile too	899
1511 (KIBN)	90.7 KS Wichita, gr\$, calls, exc KZZD	1041
1512 KEYN	103.7 KS Wichita, Oldies 104 KEYN \$	1048
1512 KCMO	94.9 MO Kansas City, c\$, ph/CKGE	870
1521 KNEN	94.7 NE Norfolk, ads	965
1524 KJCK	94.5 KS Junction City, Power 94.5, ads wx, r\$, over phased 100KW local WNED! rare!	985

JULY 1993 DX

5th Es cont.	
1534 KJLS 92.7 KS Minneapolis, new to air, many Salina area ads, verified them	1026
1545 KMZA 92.1 KS Seneca, "Kansaland Radio" and nearby ads, this must be new to the air	927
1546 KREP 92.1 KS Belleville, local ads incl. 150th celebration for town of Cuba, mixing w/KMZA	1006
1640 KCGM 95.7 MT Scooby, calls heard, same lousy audio that I heard way back in 1988!	1335
CHNO, I have to leave for work! Able to DX in car, plus left tape running on 92.1.....	
1645 KGGG 100.3 SD Rapid City, Hit 100 FM	1228
KKMK 93.9 SD Rapid City, a/c music	1227
to KSQY 95.1 SD Deadwood, AOR	1255
CITI 92.1 MB Winnipeg, 92 Citi FM, strong!	1000
KBWW 97.9 MB Brandon, CBC mono EE	1118
KPSD 97.1 SD Faith, S.D.P.R.	1175
1700 KQSD 91.9 SD Lowry, S.D.P.R.	1064
KLOP 92.1 MN Madison, on tape!	881

7 Tr

2120 WQLN 91.3 NY Olean, finally! // WBFO 88.7 local WBNY Buffalo off, but WQLN Erie is major pest	67
--	----

3 Es

3940 WAFX 95.1 AL Prattville, The Fox	839
3943 WQUE 93.3 LA New Orleans, Q93 traffic	1097
3944 (KLEB) 94.3 LA Galliano, 94 Cntry, ex KBAU	1132
3950 WHER 103.7 MS Hattiesburg, Eagle 103, k\$	976
3954 WUSD 97.9 MS Wiggings, k\$, US98	1018
3957 WPAP 92.5 FL Panama City, k\$	942
3956 WSLY 104.9 AL York, believe it is them simulcasting WALT 910 Meridian, "T91" on this freq.	896
3957 KCIL 107.5 LA Houma, C107 news	1148
1003 WCKW 92.3 LA Laplace, Stevens & Puett	1119
1030 WMXZ 95.7 LA New Orleans, ES PESTI	1098

July 12 Es

2104 KDOM 94.3 MN Windom, ads	828
21 Tr-with Buffalo 93.7-96.1-106.5 off	
0047 (WBCT) 93.7 MI Grand Rapids, k\$, B93, Berry Co. fair ment, weak but consistent, ex WJFM	348
0053 WHNN 96.1 MI Bay City, strong, Oldies 96	255
0106 WSTO 96.1 KY Owensboro, T40\$, 96-STO, ID w/Evansville, Henderson, oohl a nice duct with a local off the air! Visited them on way back from WTFDA in Nashville, a friendly station too!	572
0145 WYNG 105.3 IN Evansville, calls, k\$	582
0152 WSHW 99.7 IN Frankfort, Shine 99	436
Nothing else unusual in at all! Believe me, I checked!	

22 Tr

0024 WLEV 96.1 PA Easton, a/c, calls	235
Same stuff as night before, minus the KY/IN, hi. Also on 93.7 was WQIO Mt. Vernon, Oh. WBZZ Pittsburgh, WDLs Dallas Pa., and WSTW Wilmington, Del. On 96.1 also CBN North Bay, WFRG Rome/Utica, WVTY Pittsburgh. On 106.5 heard WHLM Blilmsburg, PA and WLTF Cleveland	
1800 CB-- 94.3 ON Huntsville/Rosseau, new CBC English Mono network on the air // 740 AM	16530 Es
1900 WOVV 95.5 FL Ft. Pierce, fake legal ID	1098
WLRO 99.3 FL Cocoa, Marlins BB game	1022
1928 WCTQ 92.1 FL Venice, Q92, k\$	1116

AUGUST 1993 DX

4 Es

1459 KERA 90.1 TX Dallas, local wx\$	1224
--------------------------------------	------

4 Trs

2250 CHYR 96.7 ON Leamington, noted on with country over ph/CHYM. Calls heard	210
---	-----

IDAHO'S
MAGIC 93.1
KZMG FM

First of all, a big thanks to Doug Smith and Tom Bryant for hosting a wonderful convention!!! It was very well done, a feat that must be more difficult than it appears! I enjoyed the location (beautiful downtown view, surprising DXability for that spot too), the Saturday evening banquet, and meeting everybody. I think the total was in the upper 30s, the most I have ever seen at a WTFDA convention. And of course, a big thanks to Doug and Tom for ordering that super Sunday morning tropo, that really hit the spot, hi. It was quite shocking to turn on Matt Sittel's car radio only to hear KEGL 97.1 (Fort Worth, TX) blasting in! And KCWS 102.7 Merkel-Abilene, TX later that morning, and channel 60 San Antonio?!! Very nice! I am looking forward to attending next year's show, wherever it may be. Thanks again! I am really glad to have been there to witness that tropo, because there has been nothing at all tropowise here since mid-June! Even typical summer morning enhancement to Toledo, Detroit, Cleveland, Syracuse/Utica, etc. has been way off. The narrow Owensboro-Evansville duct on July 21 (Thank you WJYE 96.1 for being off! Suspect it was for installation of new W69CS Buffalo, a Jukebox station, on their Rand Building Tower), although being very nice, was the only thing of note at all! The weather has been conducive to tropo too-we had one stagnant period that lasted over a week, with no fronts or rain, just hot sticky weather (lower 90s/upper 80s, high humidity). Perfect trop weather, but nothing at all! On the other hand, May and June were cooler and rainier, and less stable, but more tropo?!? Skipwise, July was decent, though the latter half really slacked off, as it often does. In early August there remains signs that the season is not over yet. Overall for me, a decent skip year, many openings, and some of very good signal strength, but not very long lived. They would really get going, and then not long afterward, just fizzle out. I see other reports of strange reception on the day of my June 16th Mexico double hop, and that is just hours before KATU-2 was seen in Japan (reported to us in Mike Cherry's August WTVDX report)!! Thanks Matt Sittel, Dave Nieman, Saul Chernos, dBruce Hall, and Richard Contone for sending in logos!

73, Greg



VHF/UHF UTILITY DX



WEATHER - AIR - MARINE - PSB

BILL HEPBURN - 35 LOCKWOOD RD - BRAMPTON ON - L6Y 4T7

Deadline for Nov column: Oct 10

This month.. plenty of DX loggings! PSB from the former Soviet Union! And AIR band DX tips!

But first.. DX reports..

LOGGINGS

HANK HOLBROOK - 407 ARUNDEL RD - FAIR HAVEN CLIFFS - DUNKIRK MD - 20754

Rcvr: Sony AIR-B Ant: ANT-B whip

+ = initial CQ on 156.8

MAY 1993 (EDT)

1 TR 0635 KRNJ 156.4 + NJ New Jersey Coast 180 SHIP SealandQuality
(50 mi S of Ambrose Lt NY)

(see note # 1)

JUNE 1993

14 TR 0720 NMY-15	157.1	+ CT NEW HAVEN	295 USCG Long Isld Snd
0812 NMY-42	157.1	+ NY MORICHES	260 USCG
0832 NMF-2	157.1	+ MA WOODS HOLE	370 USCG
0835 N -	157.1	+ PA PHILADELPHIA	110 USCG
0836 NMY-52	156.8	NJ HIGHLANDS	185 USCG Sandy Hook
25 TR NMY-25	156.8	NY FIRE ISLAND	230 USCG
.... WHU-710	156.8	NJ Central N.J.	COAST Sea Tow

JULY 1993

7 TR NMN-80 157.1 + VA HAMPTON ROADS 105 USCG

Note # 1 - Most distant ship on VHF. Type of vessel - Container. 25 watts.

Good DX with fair to good signals. Powers generally 50 to 65 watts. USCG Philadelphia was strong. It's heard often at 1235 UTC. Sea Tow was calling a ship in distress.

[NEW REPORTER **]**

BILL NIENAJADLY KF2OK - PO BOX 2999 - CLIFTON NJ - 07015

Rcvr: (Home) PRO-37 w/whip. (Work) Cobra SR-900 w/whip.

Recent ES on scanner was 42.12 Jefferson Co MD (MD State Pol ?). In fact, 42.12 is the #2 most rcvd here..over 15-20 times this season alone. 33.94 is #1 with being heard 20+ times this season. Sorry about the lack of call letters, I think 33.94 is FL. (Some FL Fire Depts are listed on 33.94, BK). Other freqs are 42.14, 42.16, 33.70 + about 25 others.

I've found the scanner a valuable "E-Skip Detector". At times at work I've found that when you start hearing 33.94, then 1/2 hr later 42.12, check the FM band; or better yet when you start hearing the lower powered police cars along with the base station, you know it's on FM or it should be. (Or at least TV, BH)

About NWS; my local is KWO-35 162.55 & its relay 162.475 is heard weakly (normally) from RIVERHEAD NY. I will get 162.475 from KINGSTON NY occasionally though. 162.40 from ATLANTIC CITY NJ (106 mi) is a common trop station.

GOODXING, Bill N.

Thanks for the intro to your Scanner DX setup Bill. On days when skip is slow (i.e.-not reaching TV or FM) - you may want to jot down some of your loggings & send them in. Trops would be interesting too. I may be able to help out with most of the call letters. I'm looking forward to seeing your Future DX reports!, BH)

** ANOTHER NEW REPORTER **

A.P. McQUEARY - 1901 RD B - REDWOOD VALLEY CA - 95470

Rcvr: Realistic PRO-43 w/whip.

LOCAL RECEPTION IN UKRAINE & RUSSIA..

MARCH/APRIL 1993

UKRAINE

34.05	NFM	UKR KIEV	unid
41.4	NFM	UKR UMAN	POL Soviet Police
49.875	AM	UKR UMAN	CPH Toy Walkie-Talkies
126.8	AM	UKR KIEV	AWOS Kiev Airport
132.6	AM	UKR UMAN	AIR Uman Military Airport
149.90	NFM	UKR KIEV	MOBL Cellular Telephone Rptr
153.10	NFM	UKR KIEV	MANUF Factory
156.625	NFM	UKR ODESSA venty	SHIP
168.075	AM	UKR KIEV	TRANSIT Kiev Subway
168.0175	NFM	UKR UMAN	MIL Army Telephone

RUSSIA

118.9	AM	RUS MOSCOW	AIR Moscow ATC
-------	----	------------	----------------

Perhaps I am the first person to sneak a scanner into the (former) U.S.S.R. I do have to admit, I was nervous and worried about passing through customs.

While on my way to Kiev out of Newark, I met an agent from Copenhagen who worked for Hershey Chocolate Inc. I asked him if they had UHF/UHF receivers in his country. he told me that they do. I then explained to him I was attempting to sneak a Police Scanner into the former "USSR"! The gentleman quickly gave me some good advice. "Tell them, it's your portable cellular. They may take it if they don't believe you, or they might make you pay a duty. I would try to convince the officer that it is a cellular".

The plane landed in Kiev. I started to sweat, I didn't know what to expect. What would they do? Drag me off into a back room and interrogate me? Or would they confiscate my beloved PRO-43? To my surprise, they said nothing and asked nothing. The customs department simply X-rayed my luggage, and asked me if I had any gold or weapons. After my short conversation with the officer, I entered the C.I.S. with my scanner and all!!

(Quite an adventure, Albert! You must have been sweating buckets! By the way, from your description of what you heard on 41.4 MHz (break & enter, robbery, etc).. this would sound more like the local police rather than the "Soviet Police", which, I assume, no longer exist.

Interesting stuff!, BH)

UHF/UHF UTILITY DX

BRIAN WEBB - 3329 SILVER SPUR CT - THOUSAND OAKS CA - 91360-1041
805-492-4263

Rcvr: Realistic PRO-2006 & PRO-2024
 Ant: 30 MHz h-dipole & 35 MHz sloping dipole

FEBRUARY 1993 (PST)

27 F2 0957 KCB-979 33.90 CT NORWICH 2568 FIRE

MARCH 1993

1 F2 1229	<u>KGB-313</u>	33.38	PA W BROWNSVILLE	2162	PETRO Columbia Gas
4 F2 1008	<u>KCB-460</u>	37.58	NH CONCORD	2590	UTE ConcordElectric
8 F2 1037	<u>KIT-797</u>	44.22	FL MIAMI	2356	TRANSPT Commercial
15 F2 1203	Lone Wolf	32.40	USA ?		MIL Army
25 F2 1020	Force Ctl	30.40	USA ?		MIL
	(aka Enforcement Ctl)				
29 F2 1025	<u>KPE-333</u>	35.50	MD or VA		PAG
30 F2 1142	SnakeBite	45.30	USA ?		MIL

JUNE 1993 (PDT)

8 ES 0952	<u>KPA-355</u>	35.24	TX NEW BRAUNFELS or SAN ANTONIO		PAG American Mobph
9 ES 0852	<u>KNDY-674</u>	33.30	NE HEARTWELL	1186	PETRO Natural Gas
	1042 <u>KKL-869</u>	49.58	TX SAN ANGELO	1081	IND Pool Company
24 ES 1051	<u>KKD-558</u>	33.30	OK GRAY	1025	PETRO Natural Gas

JULY 1993

4 ES 1303 ?		44.80	NM SANTA FE	730	CONSRV NM Fish/Game
	(calls KNAS-415 or KUE-717)				

WILLIAM R HEPBURN - 35 LOCKWOOD RD - BRAMPTON ON - L6Y 4T7 (EDT)

Rcvr: Realistic PRO-2004
 Ant: v-dipole in attic

MAY 1993

6 GW XMJ-330 162.55 ON KITCHENER-WATERLOO 33 WX Xmtr @ Cambridge

JULY 1993

7 TR 0733	<u>CYQG</u>	134.5	ON WINDSOR	188	ATIS
	0752 <u>XMJ-838</u>	162.475	ON WINDSOR	193	WX
18 TR 0747	<u>XLN-600</u>	162.40	ON MOUNT FOREST	57	WX Xmtr @ Kenilworth
					(// XMJ-330 162.55)

TIPS FOR AVIATION BAND DXING

The UHF & UHF Aeronautical Bands present an especially challenging & unique form of DX for a number of reasons. Many DXers are disappointed in first attempts at DXing this band -- when some stations only 20 or 30 miles away may be difficult to receive. However..good DX can be had -- but you have to work hard at it.

If you think of how this band is used -- the reason behind all this becomes quite clear. The primary users, of course, are aircraft usually flying at 5..10..all the way up to 40000 ft. Now at 40000 ft., line of sight extends out to 265 miles! In order to serve a 40-100 mile radius of an airport, aeronautical ground stations require very little power. Most stations use only between 5 and 25 watts -- with 100 watts used by many of the longer-range enroute Navigation Aids with weather broadcasts.

UHF/UHF UTILITY DX

This month we have news on numerous new Weather broadcast stations that have recently hit the airwaves -- most of them AWOS stations (Automated Weather Observation Stations). More and more of these computer-accented robot stations are being installed at smaller airports everywhere. Expect to see some of these stations to start up in Canada in the next couple of years as well.

WEATHER RADIONEW STATIONS

XMJ-330 162.55 ON KITCHENER/WATERLOO (now on air!)
 XLN-500 162.40 ON MOUNT FOREST (KENILWORTH) (// XMJ-330 Kitchener)

MARINENEW STATIONS

162.40 BC NODIKA (CMB // VAE 161.65 Tofino)

CHANGES

XLK-895 162.475 BC NADEN HARBOUR (CMB, VAJ Prince Rupert, ex-162.40)

AERONAUTICAL (AM mode)

W STATIONS	KSLC	127.525 UT SALT LAKE CITY - ATIS (Arrival)
MHM 135.55 AK MINCHUMINA - AWOS	KPBH	125.875 WI PHILLIPS - AWOS
II 119.025 AZ LAKE HAVASU CITY - AWOS (// HI 364 kHz)	CHANGES	
EC 133.875 CA CRESCENT CITY - AWOS	KGAD	127.825 AL GADSDEN - AWOS back in service
PF 134.225 FL NAPLES - ATIS	PAVD	118.8 AK VALDEZ - AWOS out of service UFN
SF 142.95 HI CAMP POHAKULA - BRADSHAW ATIS	KFLP	132.075 AR FLIPPIN - AWOS (ex-132.175)
INL 279.4 HI HONOLULU - ATIS (//127.9)	BSY	117.1 FL BISCAYNE BAY - VOR out of service UFN (MIAMI ATIS deleted, still on
JNV 119.275 IL DANVILLE - AWOS		
H2 118.375 IL EFFINGHAM - AWOS	119.15	
XA 125.525 IA ALGONA - AWOS	KAPF	135.425 FL NAPLES - AWOS back in service
JO 127.825 IA ATLANTIC - AWOS	PHNL	127.9 HI HONOLULU - ATIS - delete 132.2
ADU 125.525 IA ALGONA - AWOS	SWL	112.4 MD SNOW HILL - VOR
JIN 119.775 IA CARROLL - AWOS	- delete NEW YORK Enroute-ATIS	
JNC 125.525 IA CHARITON - AWOS	ACK	116.2 MA NANTUCKET - VOR
JCY 125.525 IA CHARLES CITY - AWOS	- delete NEW YORK Enroute-ATIS	
CL 132.025 IA CLARINDA - AWOS	KESC	128.575 MI ESCANABA - AWOS (ex-132.175)
BF 126.575 IA COUNCIL BLUFFS - AWOS	KBJI	119.275 MN BEMIDJI - AWOS (ex-121.375)
DEH 120.925 IA DECORAH - AWOS	FGT	115.7 MN FARMINGTON - VOR/AWOS (LAKEVILLE AWOS added)
FL 132.025 IA FAIRFIELD - AWOS	KJHW	118.425 NY JAMESTOWN - AWOS (ex-118.175)
K27 120.925 IA FORT MADISON - AWOS	PWA	113.4 OK OKLAHOMA CITY - VOR
EOK 118.375 IA KEOKUK - AWOS	- delete WILEY POST ATIS	
JXV 119.775 IA KNOXVILLE - AWOS	KLBE	118.375 PA LATROBE - ATIS/AWOS (ex-AWOS only)
RJ 125.525 IA LE MARS - AWOS	(ATIS while tower open, AWOS when tower closed, WH)	
DLZ 119.675 IA OELWEIN - AWOS	PSB	115.5 PA PHILIPSBURG - VOR
JRC 127.825 IA ORANGE CITY - AWOS	- delete NEW YORK Enroute-ATIS	
RDK 119.775 IA RED OAK - AWOS	BKX	108.8 SD BROOKINGS - VOR/AWOS (AWOS back in service)
SHL 119.775 IA SHELTON - AWOS	LEM	111.4 SD LEMMON - VOR out of service UFN
SLB 125.575 IA STORM LAKE - AWOS	RND	112.3 TX UNIVERSAL CITY - VOR/ATIS (RANDOLPH ATIS added - on irregular basis only for student training // 271.8)
AWG 127.825 IA WASHINGTON - AWOS	KVJI	128.125 VA AVINGDON - AWOS (ex-127.725)
EBS 127.825 IA WEBSTER CITY - AWOS	DELETIONS	
Z6 128.175 KY HENDERSON - AWOS	HYA	114.7 MA HYANNIS - VOR
HVC 132.575 KY HOPKINSVILLE - AWOS	CYTS	125.4 ON TIMMINS - ATIS (never on air?)
FDK 124.875 MD FREDERICK - AWOS		
MSP 272.75 MN MINNEAPOLIS/ST PAUL - ATIS (// 120.8, 135.35)		
4SD 135.175 NV RENO - STEAD AWOS		
BWP 127.875 ND WAPETON - AWOS		
AXV 128.325 OH WAPAKONETA - AWOS		
PWA 132.75 OK OKLAHOMA CITY - WILEY POST ATIS		
OK78 134.175 OK WATONGA - AWOS		
WWR 118.425 OK WOODWARD - AWOS		
OAS 135.675 TN ELIZABETHTOWN - AWOS		
FYM 135.275 TN FAYETTEVILLE - AWOS		
LUG 135.775 TN LEWISBURG - AWOS		

PHOTO-NEWS

MAILING ADDRESS:
PHOTO-NEWS
12284 Nice Road
Akron NY 14001-9529

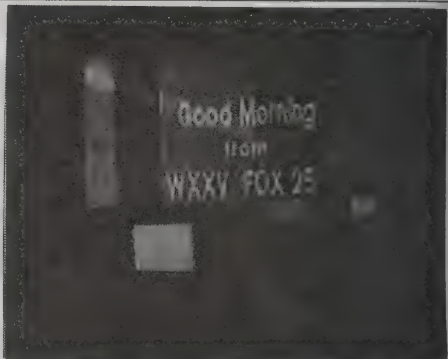
Robert Delaney (KA9UVY) - Mt. Vernon Illinois. Equipment: 1990 Zenith 13" color SS 1311W, Emerson 885 VCR. Antennas, UHF Archer UI20 at 87' AGL with RDX Labs UA 900 preamp and RG-11 coax; VHF rotatable vertical dipole at 25' AGL for E-skip and Channel Master 3608 at 55' AGL. Camera, Pentax K-1000 loaded with Kodak Gold Plus 200 ASA film.

WXXV-25
Gulfport Mississippi

550 mile tropo

seen September
12, 1992

at 0523 CST

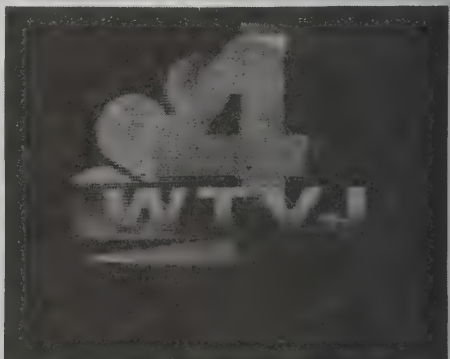


WTVJ-4
Miami Florida

1007 mile E-skip

seen May 13, 1993

at 2000 CST



Thanks for
the photos
Robert.

NEW
REPORTER



Richard
Contone -
Jamaica
New York

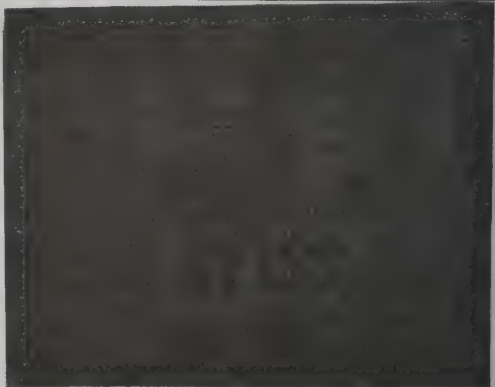
Equipment:
VHF-UHF
combo
antenna
and Vivitar
DL-50
camera.

WPVI-6
Philadelphia
Pennsylvania

77 mile tropo

seen June
12, 1993

at 2230 EDT



Rich's photos continues on page 2.

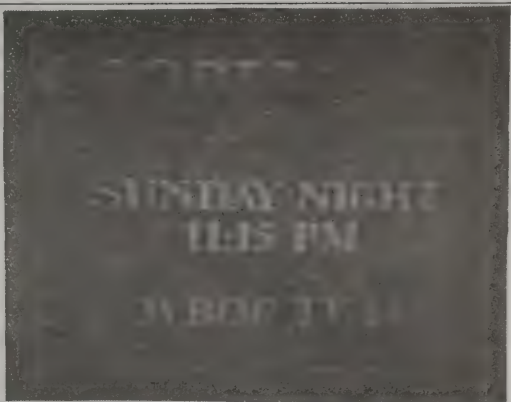
Richard Contone's photo file continued....

7/BOC-16
Salisbury
Maryland

70 mile tropo

Seen June 12, 1993

t 2230 EDT



Rich thanks for the photos; if you can change your cameras shutter speed to 1/30th of a second it would eliminate the black bar in your photos.

Rocky Robello-Pocatello Idaho. Equipment: RCA 35" color TV, Goldstar Hi-Fi VHS VCR, Radio Shack U-90 antenna up 20 feet with rotator. Samsung AF 35mm camera loaded with Kodak Gold 200 film.

CDFW-4
Dallas
Fort Worth
Texas

50 mile E-skip

Seen June 29, 1993

from
1948-2015 MDT



KTVU-2
Oakland
San Francisco
San Jose
California

500 mile E-skip

Seen June 29, 1993

from
2020-2031 MDT



Nice to hear from you again, Rocky.

Till next time, Dave

Distance Calculation by Computer

Several people asked at the convention how I calculate the distances to DX stations logged. The short answer is, by computer. The long answer is the program below...

```
5 KEY OFF:ON KEY(10) GOSUB 1000:KEY(10) ON
10 PI=3.14159265#:DR=PI/180
15 CLS:PRINT "DX Calculation Program; F10, then Enter when one."
20 DEF FNA(X)=INT(X*10+.5)/10
100 PRINT "Your location:";GOSUB 800
110 HN=N:HE=E
200 PRINT "DX station:";GOSUB 800
210 GOSUB 2000
220 PRINT "Distance=";FNA(DX),"mi.; Bearing=";FNA(AZ/DR);"°"
230 GOTO 200
800 INPUT "Latitude Deg., Min., Sec. (separate with commas):";T1,T2,T3
810 INPUT "North or South:";TS
830 N=(T1+(T2/60)+(T3/3600))*DR
840 IF LEFT$(TS,1)="S" THEN N=-N
850 INPUT "Longitude Deg., Min., Sec. (separate with commas):";T1,T2,T3
860 INPUT "East or West:";TS
870 E=(T1+(T2/60)+(T3/3600))*DR
880 IF LEFT$(TS,1)="W" THEN E=-E
890 RETURN
1000 END
2000 CO=COS(HE-E)*COS(HN)*COS(N)+SIN(HN)*SIN(N)
2010 CA=ATN(ABS(SQR(1-CO*CO)/CO))
2020 IF CO<0 THEN CA=PI-CA
2030 DX=3952*CA
2040 SI=SIN(E-HE)*COS(N)*COS(HN)
2050 CO=SIN(N)-SIN(HN)*COS(CA)
2060 AZ=ATN(ABS(SI/CO))
2070 IF CO<0 THEN AZ=PI-AZ
2080 IF SI<0 THEN AZ=-AZ
2090 IF AZ<0 THEN AZ=AZ+2*PI
2100 RETURN
```

Lines 2040-2090 are required only to calculate the bearing; if you're only interested in distance, you can leave them out. (you'll then also need to modify line 220 appropriately) Also, if you want distances in kilometers, change the number in line 2030 from 3952 to 6367.

The "meat" of this program is the subroutine between lines 2000 and 2100. This can be used in other ways-- with a calculator, to manually calculate distance & bearing; for spreadsheet formulas or calculated fields in a database of FM/TV stations; or as a basis for converting the program to other computer languages. (or for making this BASIC program more "user-friendly"!) I've already written a Windows version of the program, and placed the formulas into a MS-Works spreadsheet.

If you've never used the BASIC in your IBM/compatible before, here's how to enter this program: First, you need to get a C:\> prompt. From Windows, go to the Main group and double-click on MS-DOS Prompt. If you aren't using Windows, you're on your own... Type GWBASIC and press Enter. A (mostly) black screen should come up. Type in the numbered

program lines as they appear above. When you've finished typing, press F2 to run the program. Check that it works, by calculating the distance/bearing to some stations that you know the distance to. (your locals will work.) If there's a problem, most likely you mistyped something; double-check what's in your computer against this article.

Once you're satisfied that the program is working, make one change: change the word END in line 1000 to SYSTEM. This will cause the program to return to the C:\> prompt when done, rather than returning to the BASIC screen. Then, save the program: press F4, type DXC (or whatever other name you want to give the program), and press Enter. Now, to run the program in the future, get a C:\> prompt, type GWBASIC DXC, and press Enter.

This program is based on program 5.2 in the book *"Amateur Radio Software"*, by John Morris GM4ANB. The book is published by the Radio Society of Great Britain, and should be available through the ARRL, 225 Main St., Newington CT 06111, or call 203-666-1541. Better-equipped ham shops probably also have it. This book has a number of programs relevant to the FM/TV DXer, including troposcatter path loss calculation, MUF calculation (for F2 skip), antenna and circuit design aids, satellite location, crude recordkeeping programs, and even a simple electronic circuit analysis program! Also included are tips on converting BASIC programs from the rather generic "dialect" used in the book to whatever version your computer uses. If you have a computer, I highly recommend that you check this book out.

Of course, once you have the program, you need a way to find out what the DX station's, and your, geographical coordinates are. For your own coordinates, the most available solution is a US Geological Survey topographic map; these are available for all areas of the USA and show geographic coordinates. Try looking up the USGS in your phone book. (unfortunately, I don't have any more details, as I've never had to use one of these maps!) A second choice, and one I recommend if you live in one of the states covered, is the *"Atlas and Gazetteer"* by DeLorme Mapping Co., 800-227-1656. These are currently available for about 15 states, and contain topographic maps of the entire state, plus virtually every road & street. Besides locating your coordinates, this Atlas will help you in finding your local stations, that little-known fishing hole, whatever... A third solution, and the one I'm using here, is to pick a local broadcast tower within a mile or so & look up its coordinates, and use them.

Finding the DX station is another problem. For FM, the only answer I know of is the official FCC database. My copy was purchased from Buckmaster Publishing, 703-894-5777, as part of their *"HamCall"* CD-Rom. Some computer "massaging" of that raw data is necessary. For TV, the HamCall CD works; so does the *"Television Factbook"*, available at most libraries.

I've written two "embellished" versions of the above program, one for DOS (which allows batch processing of large numbers of DX stations, just the thing for that mega-*Es* opening..) and the other for Windows. I'll send a 3-1/2" 720K floppy with both programs and a Microsoft Works spreadsheet with the same formulas in return for a disk mailer (no disk required-- I've got a lot of used 3-1/2" disks) with return postage, or \$1. I can also provide 360K or 1.2MB disks, but you'll have to send a blank disk along with your mailer.

Doug Smith
14 Brookside Court
Nashville, TN 37209-4503

MURPHY'S LAWS (of DX)

By John F. Combs N4SFS

Having DXed a lot of TV and some FM since 1972 or so, I have discovered that there are a lot of absolute laws that apply to the hobby, and I'd like to share those with you. This is not by any means an exhaustive list, and I welcome additions!

JOHN

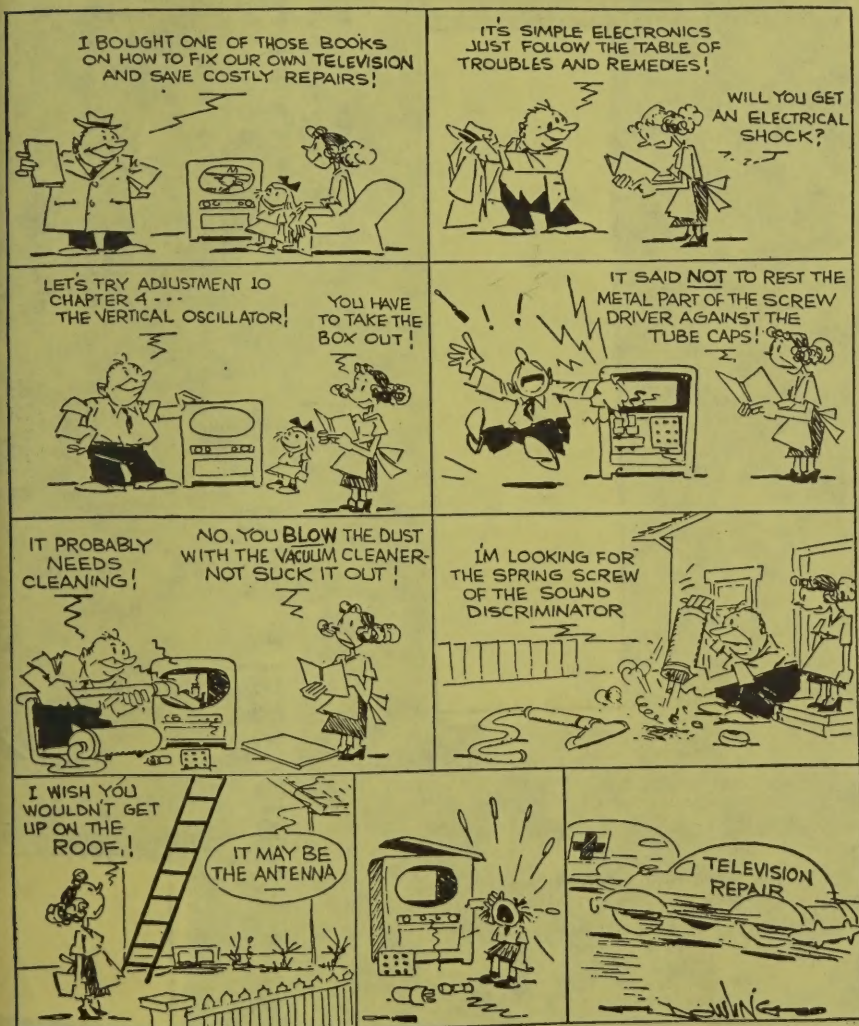
- Signal strength will always fade during an ID...
- If a visual ID is given, the actual ID will be in the smallest type font available while any useless information is in letters 2 feet high...
- If an aural ID is given, the announcer will be suffering the effects of (a)a hangover, (b)a novacain shot, or (c)loose bridgework...
- No matter how long you wait for a local break on a mystery station, it will only occur when you are on a bathroom break... (MORAL: A large Mason jar kept at arm's reach in the shack will save many loggings!)
- A little-known FCC regulation allows stations to ID during DX openings only if they feel like it...
- All-night DX openings will only occur on the eve of a critical day at your job...
- If you attempt to phone a station to confirm a logging, you will invariably wind up talking to the station employee with the lowest I.Q....
- Don't bother confirming that once-in-a-lifetime logging. No one will believe you anyway...
- A potential DX station will always change its schedule the week after you obtain a TV Guide from that area...
- Any piece of electronic equipment has a mind of its own -- and it doesn't like you...
- If a piece of electronic equipment fails to function properly, turn it off, wait 24 hours, then turn it back on. Chances are it'll work fine... (This is the principle known as "FM": "f---ing magic")
- An antenna dropped from a tower or rooftop will fail in such a way as to do the maximum possible damage...
- The lower the overload threshold on your pre-amp, the greater the chance that mass quantities of new locals will soon sign-on...
- If there is even one open TV channel left in your area, TBN will find it...
- If your 24-hour, 365-day local goes off the air unexpectedly, you can be assured that there will be nil propagation at the time...
- If there is a CBer in the area running a linear, you will be blamed by neighbors for the resultant interference...
- The best situated neighborhood for DX in your city will invariably have deed restrictions prohibiting outdoor antennas...
- Mexican, Puerto Rican, and (especially) Cuban Spanish bear no relation to any Spanish you may have learned in school -- they are impenetrable polyglots consisting of 50% regional slang and 50% pure gibberish...
- The same identical patterns on the weather map that produced that super-tropo will never, ever produce an opening again...
- A DX station that you have been trying to snag for years will be logged on the first try by the new snot-nosed teenage DXer in the club, using a coat hanger and aluminum foil...
- Non-DXing friends will always show up at your door, uninvited, during a big opening...
- If you cohabitate with a wife, girlfriend, or parents, they will never, ever understand your interest in DXing -- nor will they ever WANT to...
- Attempting to explain your hobby to non-DXers will always result in your being branded either a pervert, a Communist, or a candidate for the Psych Ward...
- If you forget to remove the erase-protect tab from your DX tape, within 24 hours another family member will use it to tape "All My Children"...
- All treatises, theories, and articles aside, no one REALLY understands DX -- it is akin to acupuncture, voodoo, and black magic...



PREPARED FOR THE WFOA BY TOM BRYANT, 849
 1000 PREIS DRIVE, NASHVILLE, TN 37221; 615-
 646-2000. OK, you're right, this is what
 a lot of folks call a 'no-brainer'; but
 your column editor thinks he's entitled to
 a bit of comic relief after co-hosting the
 1993 convention. Besides, I suspect most
 of us have been victims of overconfidence
 more often than we would like to admit.

Mr. Customer Fixes His Own TV Set

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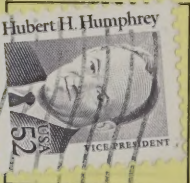
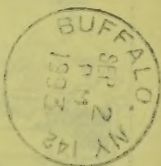
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